

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053492.D
 Acq On : 19 Jan 2019 00:12
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 19 02:10:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	732466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1120679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1020476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	514016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	377756	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	7.59	113	334399	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.09	98	1342616	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	471494	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	278835	47.348	ug/l	99
3) Chloromethane	2.06	50	394145	46.811	ug/l	100
4) Vinyl Chloride	2.19	62	383179	47.211	ug/l	100
5) Bromomethane	2.56	94	266553	47.864	ug/l	97
6) Chloroethane	2.71	64	232002	47.279	ug/l	97
7) Trichlorofluoromethane	3.02	101	526201	49.566	ug/l	100
8) Diethyl Ether	3.41	74	213973	53.664	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	329636	49.028	ug/l	99
10) Methyl Iodide	3.96	142	504848	49.137	ug/l	100
11) Tert butyl alcohol	4.77	59	129912	366.720	ug/l	99
12) 1,1-Dichloroethene	3.74	96	325068	49.847	ug/l	98
13) Acrolein	3.61	56	145100	213.552	ug/l	100
14) Allyl chloride	4.33	41	533525	50.368	ug/l	100
15) Acrylonitrile	4.99	53	690163	296.032	ug/l	100
16) Acetone	3.82	43	448025	263.766	ug/l	99
17) Carbon Disulfide	4.06	76	916330	46.465	ug/l	100
18) Methyl Acetate	4.33	43	338366	59.126	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	964418	55.659	ug/l	99
20) Methylene Chloride	4.55	84	387131	49.921	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	351292	50.387	ug/l	99
22) Diisopropyl ether	5.95	45	1153330	52.156	ug/l	97
23) Vinyl Acetate	5.90	43	3872772	284.905	ug/l	99
24) 1,1-Dichloroethane	5.85	63	667796	51.084	ug/l	99
25) 2-Butanone	6.83	43	759393	290.120	ug/l	99
26) 2,2-Dichloropropane	6.83	77	414198	41.965	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	410876	51.536	ug/l	97
28) Bromochloromethane	7.20	49	306102	53.152	ug/l	100
29) Tetrahydrofuran	7.21	42	518470	304.265	ug/l	99
30) Chloroform	7.37	83	655873	51.495	ug/l	100
31) Cyclohexane	7.65	56	599792	47.134	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	553466	51.226	ug/l	100
36) 1,1-Dichloropropene	7.80	75	499890	48.979	ug/l	100
37) Ethyl Acetate	6.93	43	341901	58.227	ug/l	99
38) Carbon Tetrachloride	7.78	117	480411	49.719	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	602244	47.741	ug/l	99
40) Benzene	8.04	78	1544167	49.788	ug/l	100
41) Methacrylonitrile	7.18	41	193567	55.404	ug/l	95
42) 1,2-Dichloroethane	8.13	62	462844	51.225	ug/l	100
43) Isopropyl Acetate	8.17	43	620875	58.804	ug/l	99
44) Trichloroethene	8.84	130	429750	49.966	ug/l	99
45) 1,2-Dichloropropane	9.12	63	410571	49.979	ug/l	100
46) Dibromomethane	9.21	93	244505	51.805	ug/l	99
47) Bromodichloromethane	9.40	83	504269	50.805	ug/l	99
48) Methyl methacrylate	9.20	41	306343	56.194	ug/l	98
49) 1,4-Dioxane	9.20	88	78606	1476.417	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1742813	302.375	ug/l	99
52) Toluene	10.16	92	953518	49.522	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	515061	51.196	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	596762	50.601	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	359092	54.094	ug/l	98
56) Ethyl methacrylate	10.43	69	488404	51.767	ug/l	99
57) 1,3-Dichloropropane	10.71	76	603334	52.539	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1272062	273.912	ug/l	99
59) 2-Hexanone	10.75	43	1211530	299.432	ug/l	99
60) Dibromochloromethane	10.90	129	398972	52.990	ug/l	100
61) 1,2-Dibromoethane	11.01	107	362092	53.934	ug/l	99
64) Tetrachloroethene	10.63	164	473973	49.286	ug/l	100
65) Chlorobenzene	11.43	112	1065687	49.337	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	381115	50.718	ug/l	100
67) Ethyl Benzene	11.51	91	1829561	49.700	ug/l	100
68) m/p-Xylenes	11.62	106	1416269	101.901	ug/l	99
69) o-Xylene	11.95	106	687176	50.883	ug/l	99
70) Styrene	11.96	104	1146253	52.296	ug/l	100
71) Bromoform	12.13	173	287435	55.562	ug/l #	100
73) Isopropylbenzene	12.25	105	1835010	48.749	ug/l	99
74) N-amyl acetate	12.07	43	570814	56.886	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	414750	52.537	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	567369	83.760	ug/l #	100
77) Bromobenzene	12.53	156	487841	49.184	ug/l	99
78) n-propylbenzene	12.59	91	2127424	49.237	ug/l	100
79) 2-Chlorotoluene	12.68	91	1241175	48.462	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1526197	49.833	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	127237	47.662	ug/l	99
82) 4-Chlorotoluene	12.77	91	1281012	49.047	ug/l	99
83) tert-Butylbenzene	12.99	119	1324644	48.970	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1552233	50.266	ug/l	100
85) sec-Butylbenzene	13.17	105	1818478	49.019	ug/l	100
86) p-Isopropyltoluene	13.29	119	1613955	50.105	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	871143	49.930	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	859871	49.132	ug/l	100
89) n-Butylbenzene	13.62	91	1362121	49.609	ug/l	100
90) Hexachloroethane	13.88	117	259161	51.301	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	855331	53.286	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	69441	69.372	ug/l	98

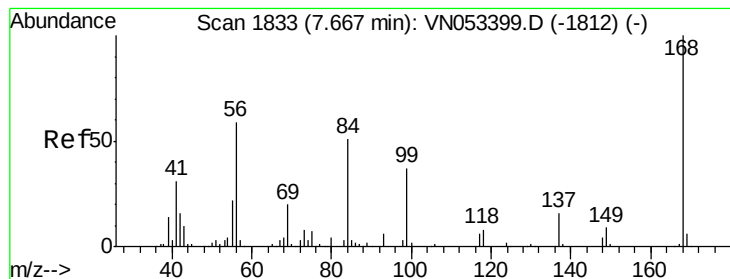
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	420365	58.836	ug/l	99
94) Hexachlorobutadiene	15.01	225	266980	53.319	ug/l	99
95) Naphthalene	15.13	128	795751	62.933	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	325006	61.722	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

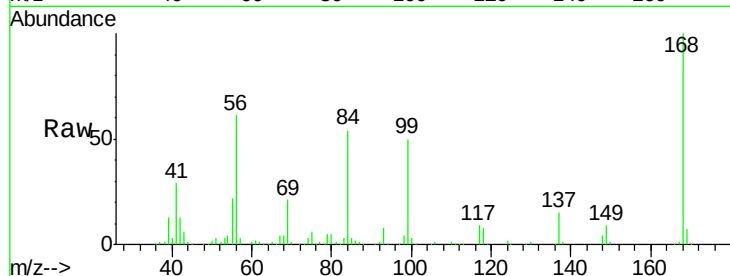
VSTDCCC050EC

Tot Ion:168 Resp: 732466

Ion Ratio Lower Upper

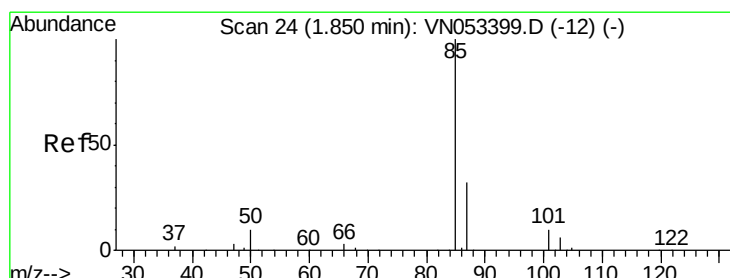
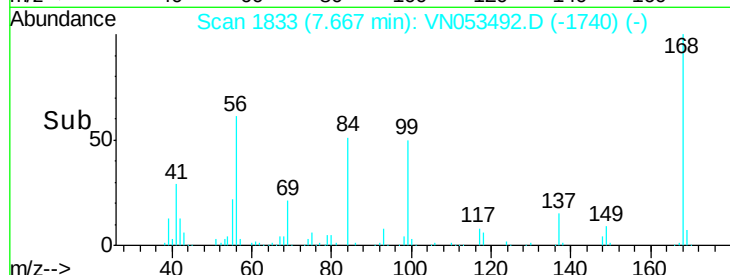
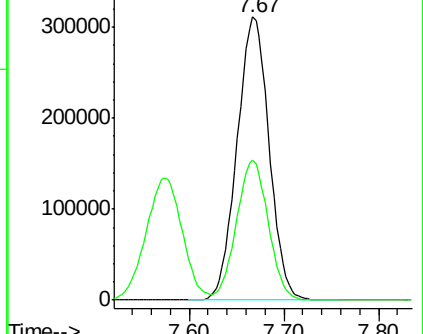
168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.348 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053492.D

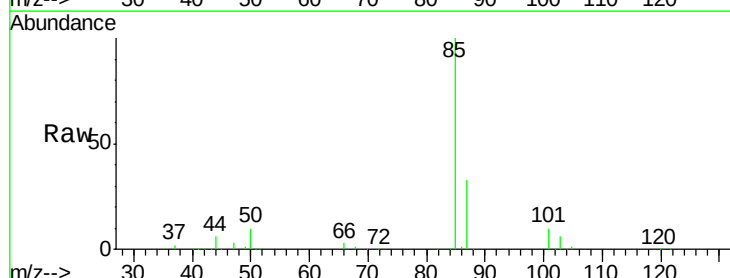
Acq: 19 Jan 2019 00:12

Tgt Ion: 85 Resp: 278835

Ion Ratio Lower Upper

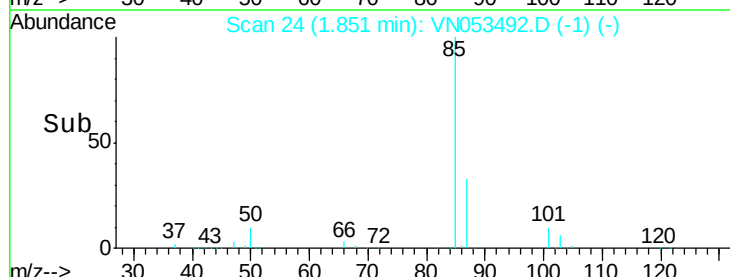
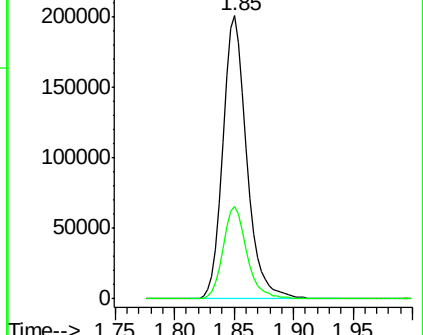
85 100

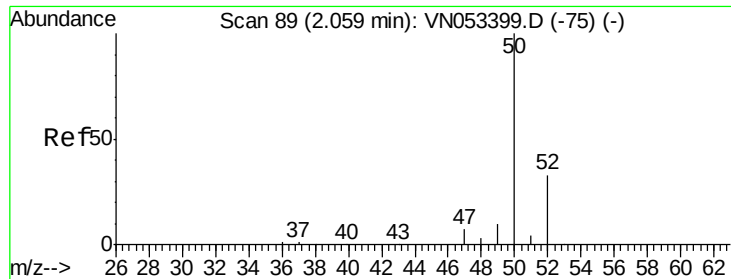
87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.811 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

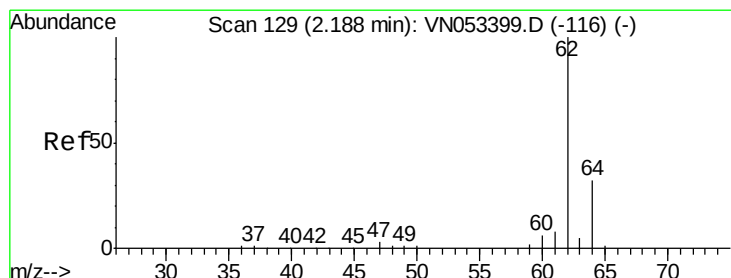
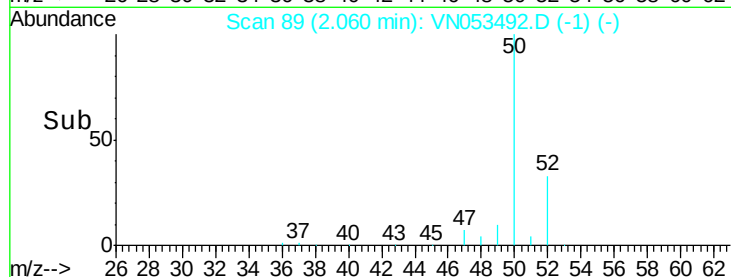
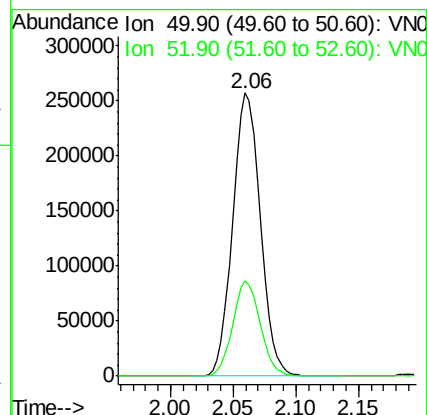
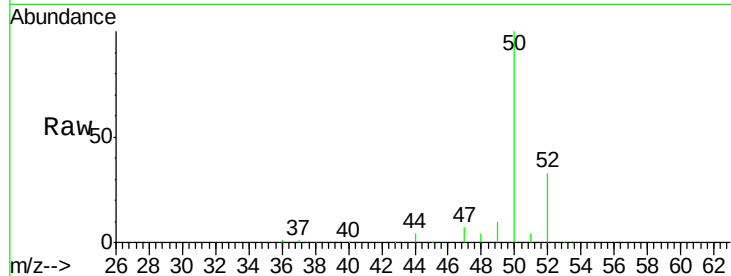
VSTDCCC050EC

Tot Ion: 50 Resp: 394145

Ion Ratio Lower Upper

50 100

52 33.5 26.6 40.0



#4

Vinyl Chloride

Concen: 47.211 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053492.D

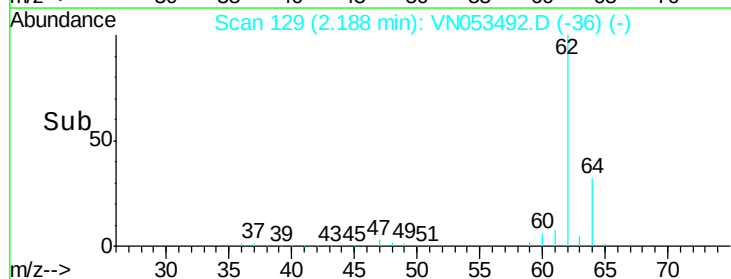
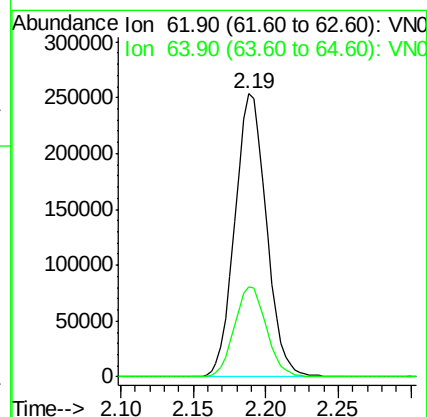
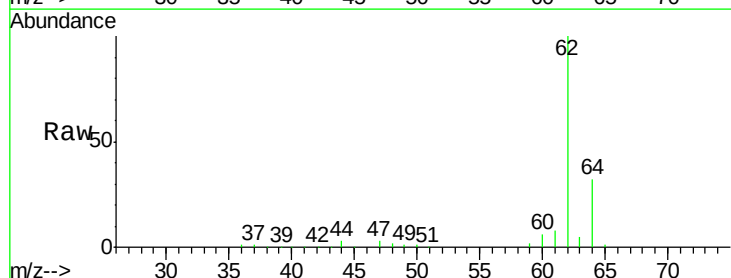
Acq: 19 Jan 2019 00:12

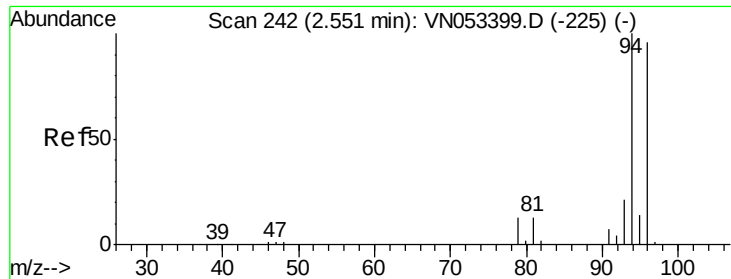
Tgt Ion: 62 Resp: 383179

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 47.864 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

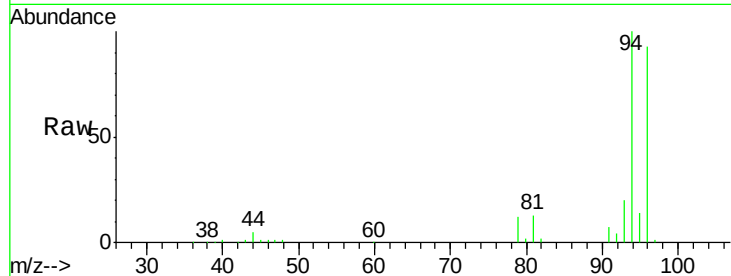
VSTDCCC050EC

Tot Ion: 94 Resp: 266553

Ion Ratio Lower Upper

94 100

96 93.1 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

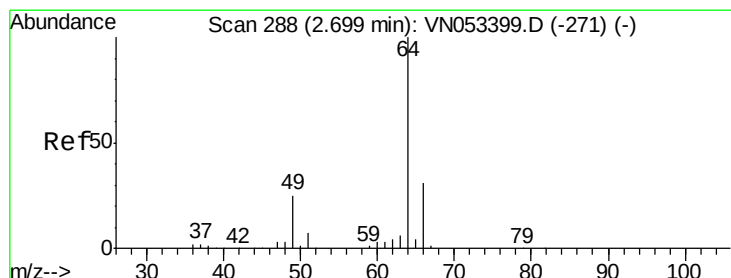
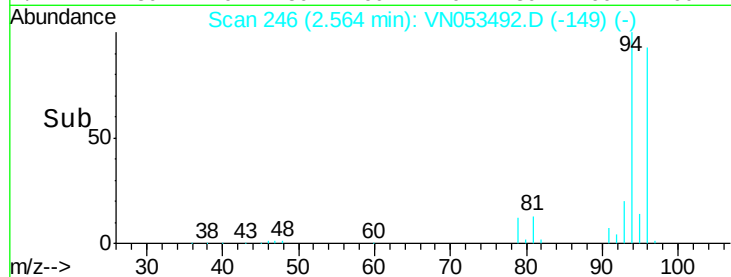
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 47.279 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN053492.D

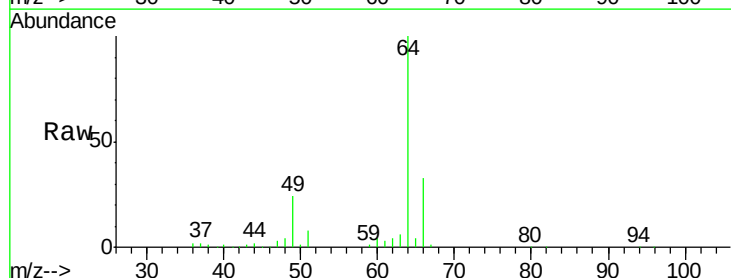
Acq: 19 Jan 2019 00:12

Tgt Ion: 64 Resp: 232002

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

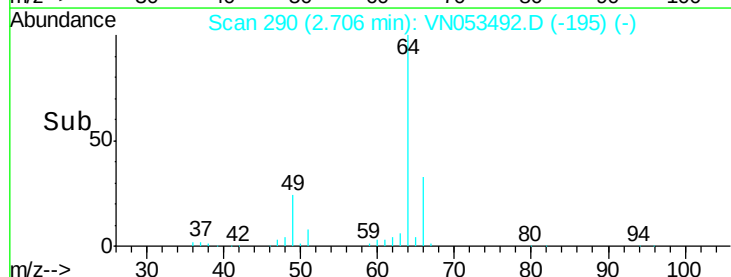
2.71

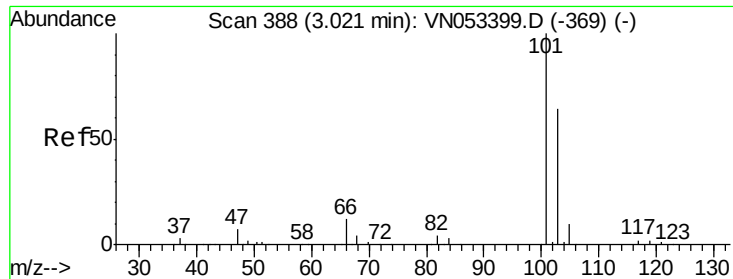
100000

50000

0

Time-->



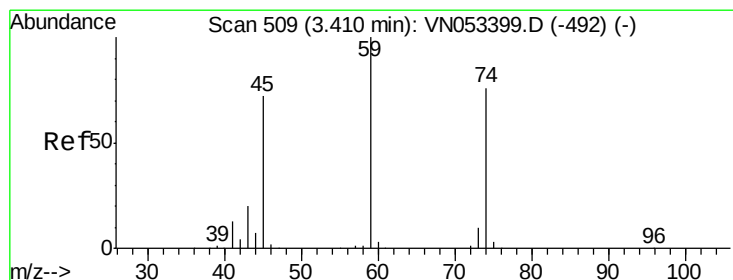
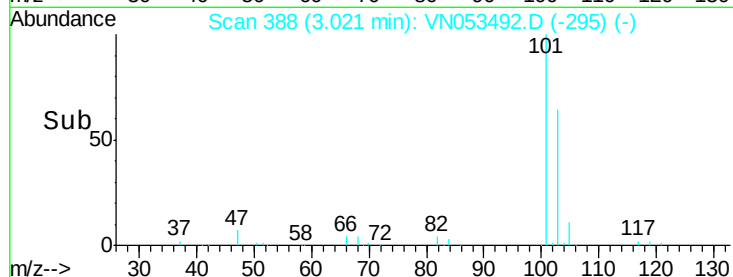
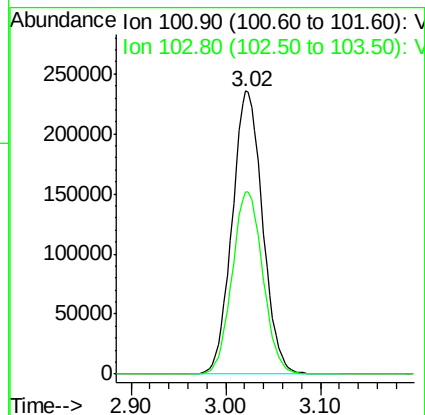
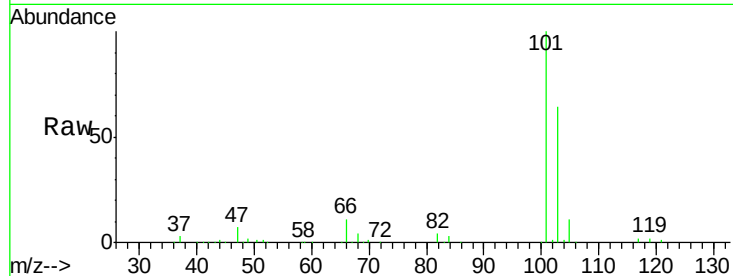


#7

Trichlorofluoromethane
Concen: 49.566 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

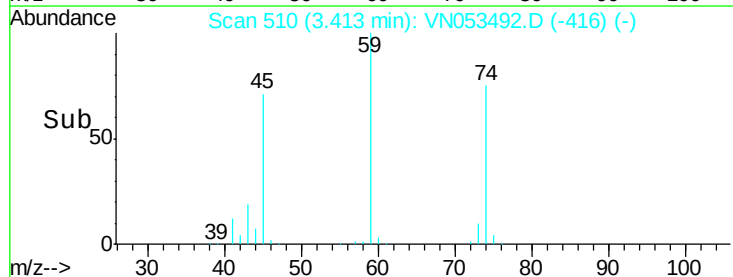
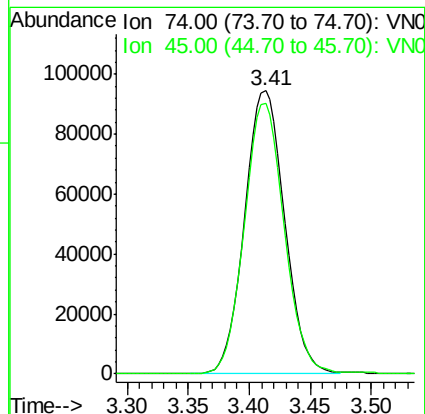
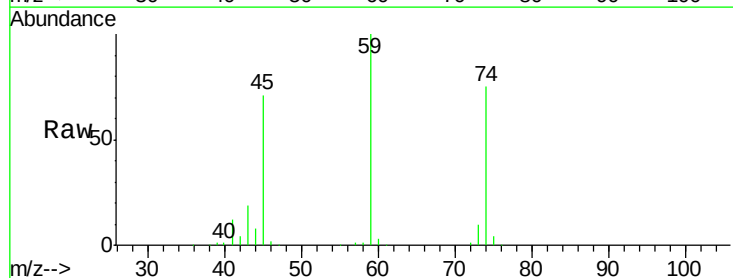
Tot Ion:101 Resp: 526201
Ion Ratio Lower Upper
101 100
103 64.4 51.6 77.4

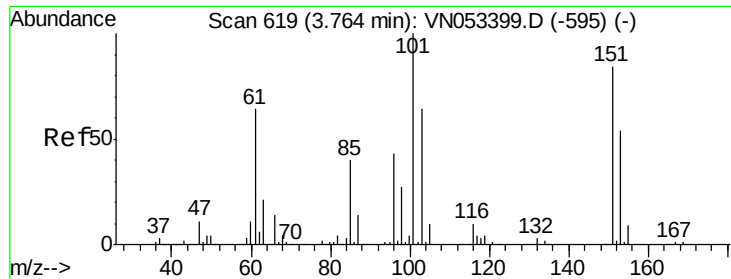


#8

Diethyl Ether
Concen: 53.664 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Tgt Ion: 74 Resp: 213973
Ion Ratio Lower Upper
74 100
45 95.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.028 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

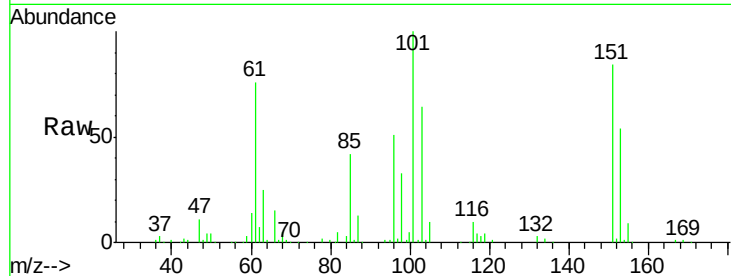
Tot Ion:101 Resp: 329636

Ion Ratio Lower Upper

101 100

85 41.4 32.8 49.2

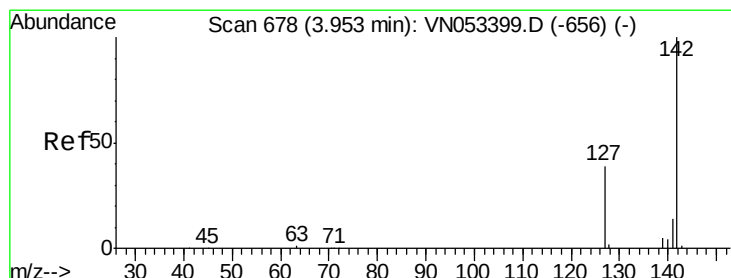
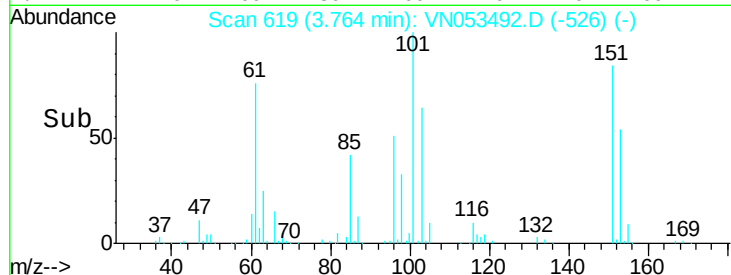
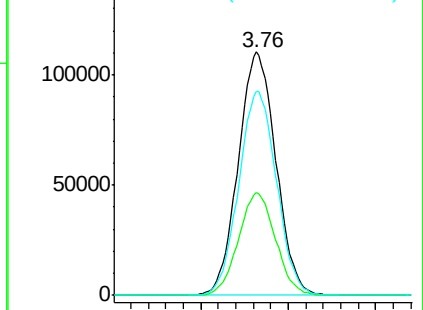
151 84.1 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.137 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

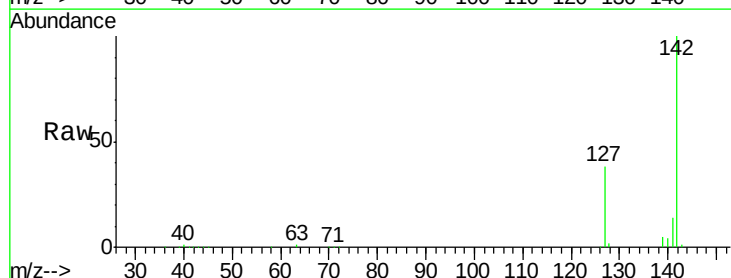
Tgt Ion:142 Resp: 504848

Ion Ratio Lower Upper

142 100

127 38.8 31.0 46.4

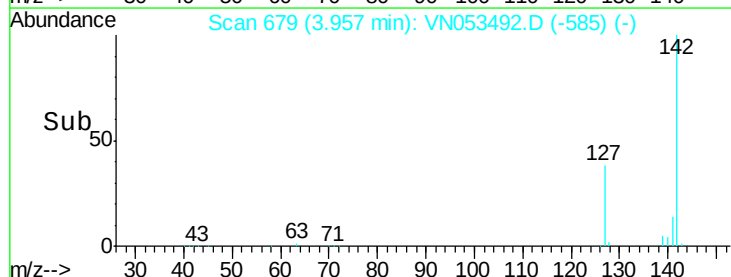
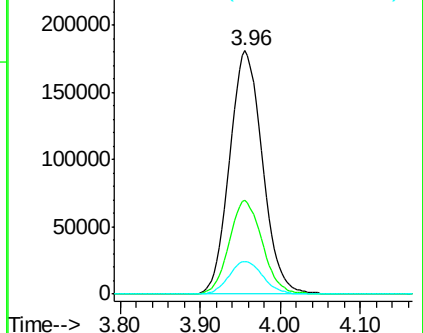
141 13.8 11.1 16.7

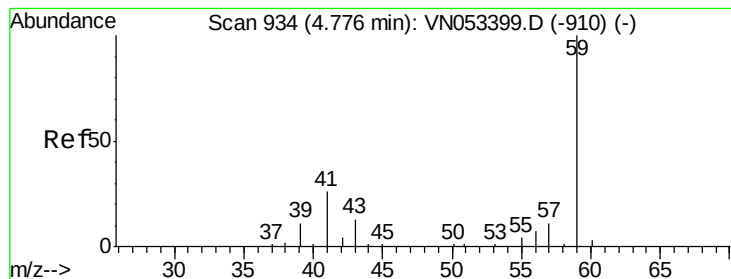


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



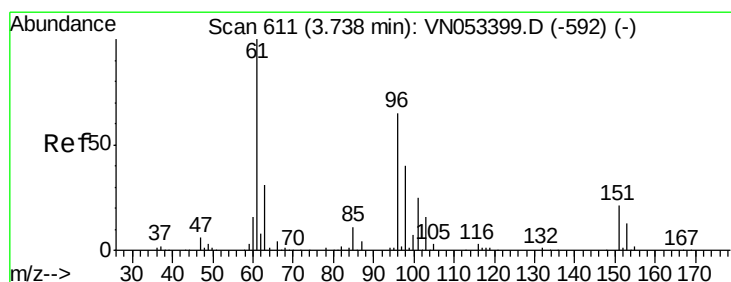
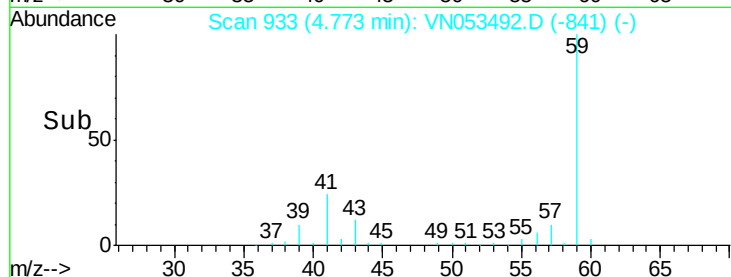
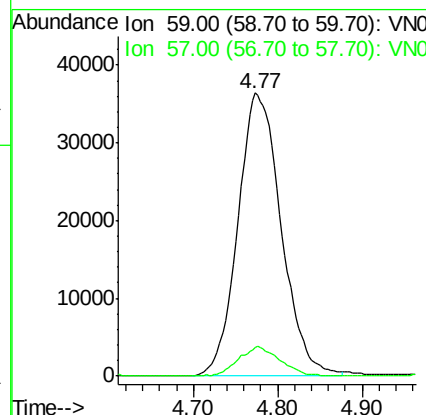
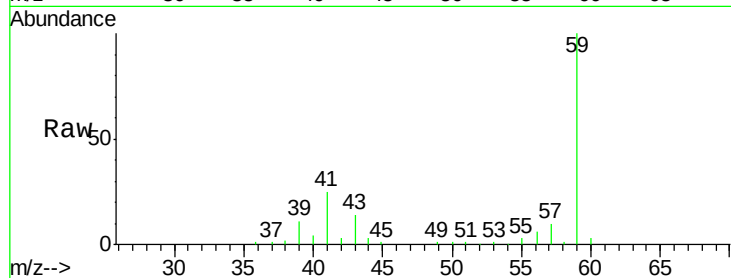


#11

Tert butyl alcohol
Concen: 366.720 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

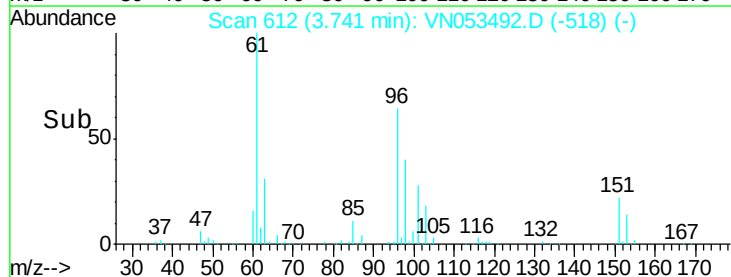
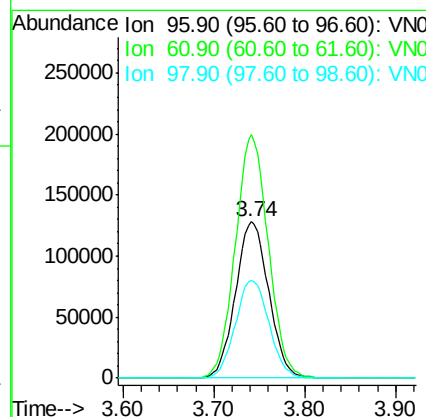
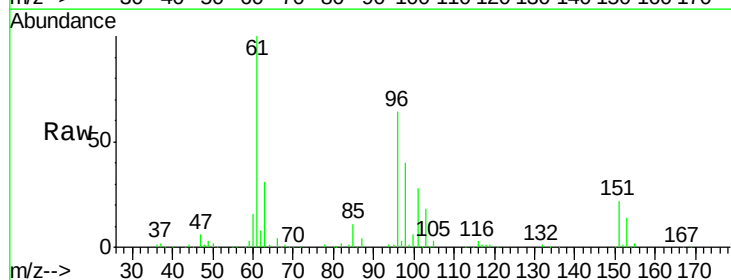
Tot Ion: 59 Resp: 129912
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4

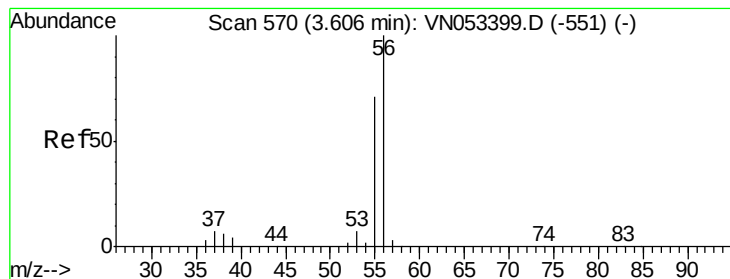


#12

1,1-Dichloroethene
Concen: 49.847 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Tgt Ion: 96 Resp: 325068
Ion Ratio Lower Upper
96 100
61 155.8 122.9 184.3
98 62.8 49.4 74.0





#13

Acrolein

Concen: 213.552 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

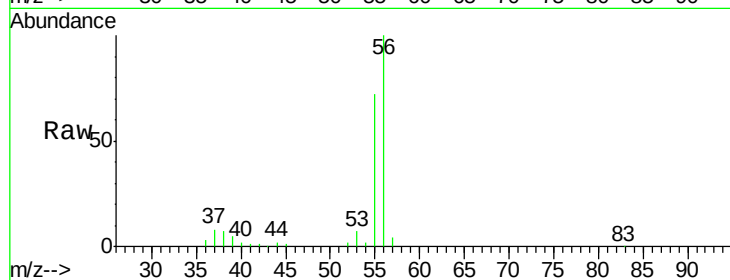
VSTDCCC050EC

Tot Ion: 56 Resp: 145100

Ion Ratio Lower Upper

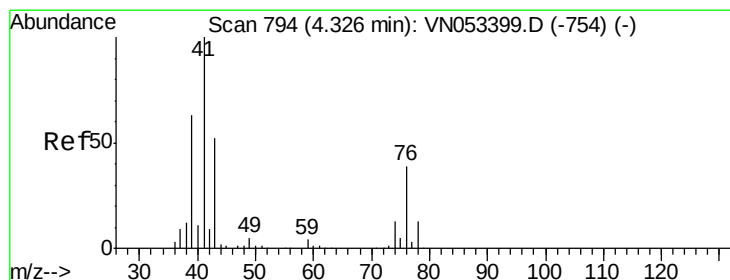
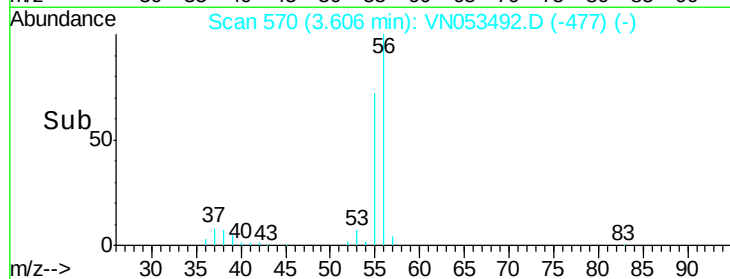
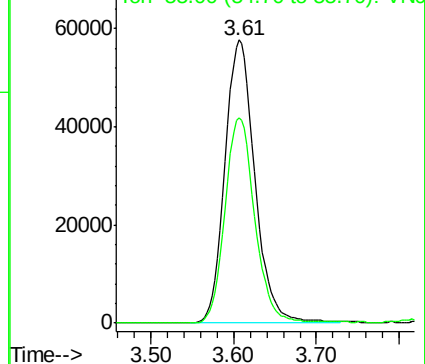
56 100

55 71.7 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.368 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

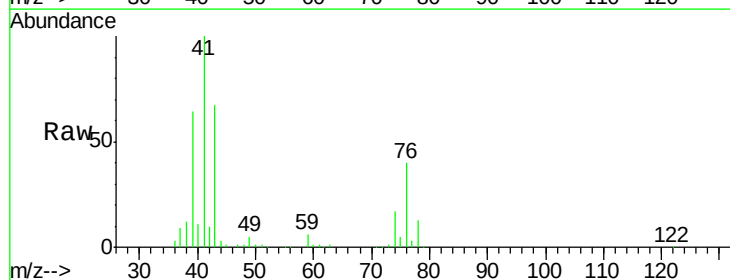
Tgt Ion: 41 Resp: 533525

Ion Ratio Lower Upper

41 100

39 61.2 48.9 73.3

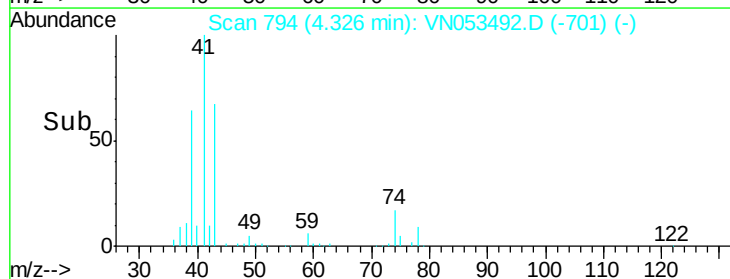
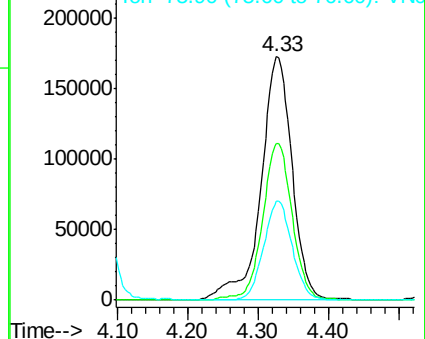
76 36.9 29.4 44.2

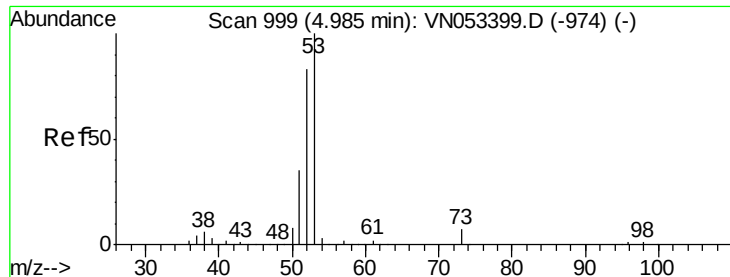


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 296.032 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

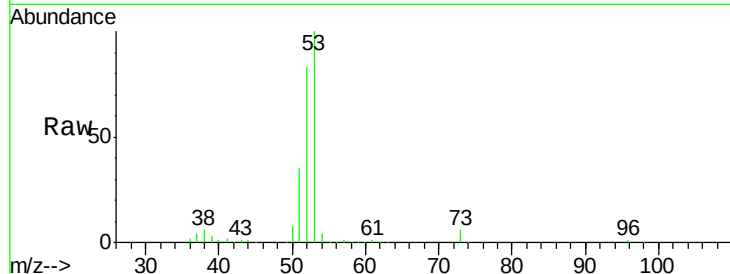
Tot Ion: 53 Resp: 690163

Ion Ratio Lower Upper

53 100

52 81.9 66.0 99.0

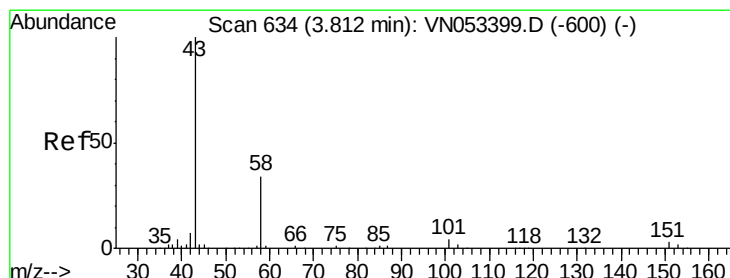
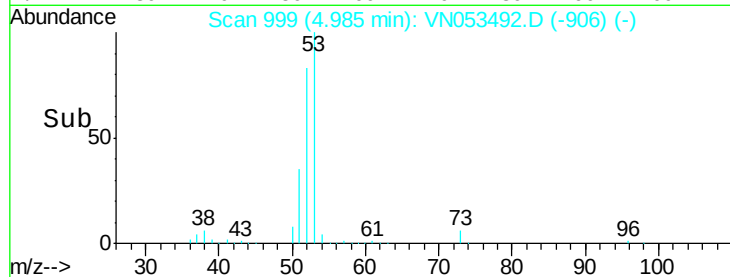
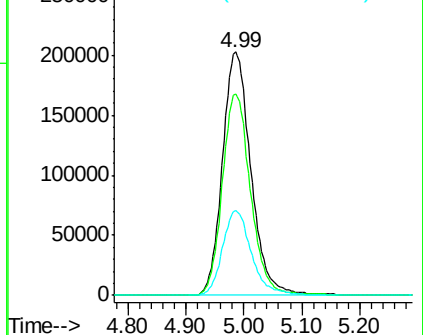
51 35.4 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 263.766 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053492.D

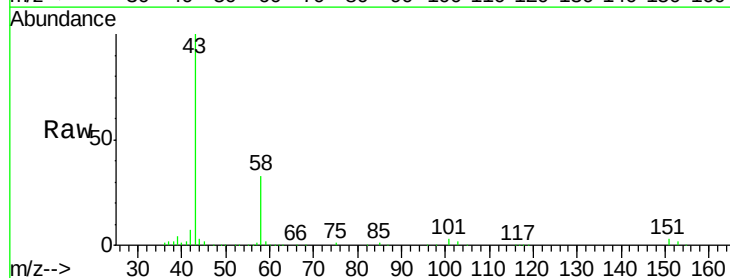
Acq: 19 Jan 2019 00:12

Tgt Ion: 43 Resp: 448025

Ion Ratio Lower Upper

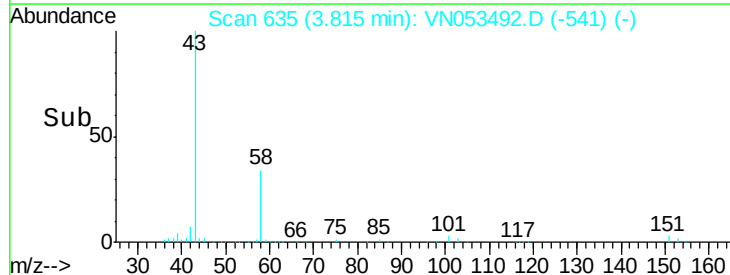
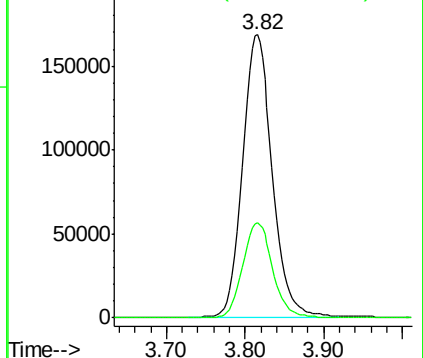
43 100

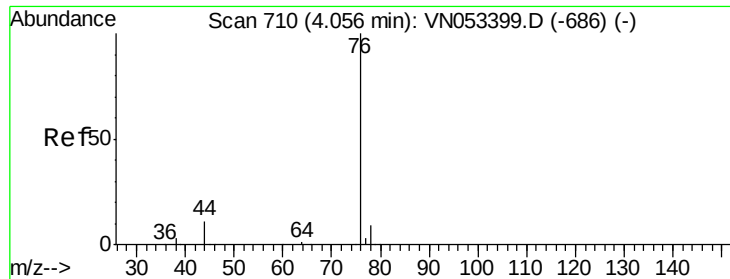
58 33.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

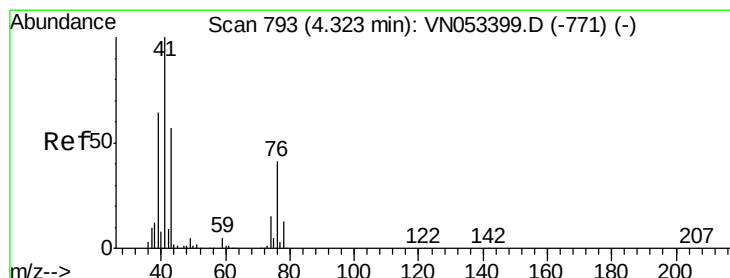
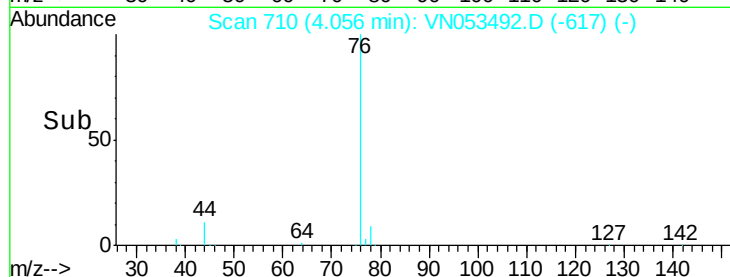
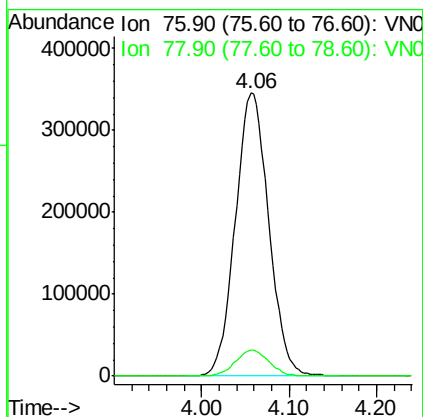
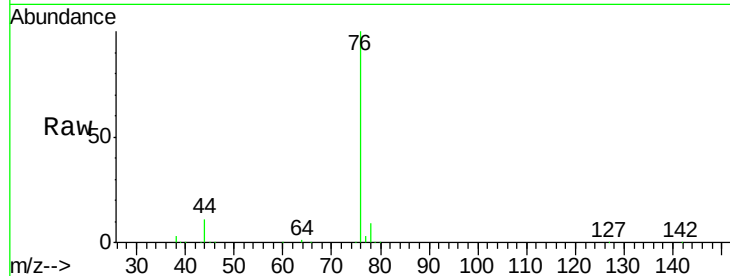




#17
Carbon Disulfide
Concen: 46.465 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

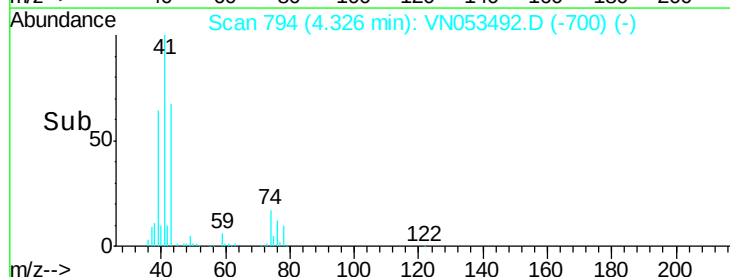
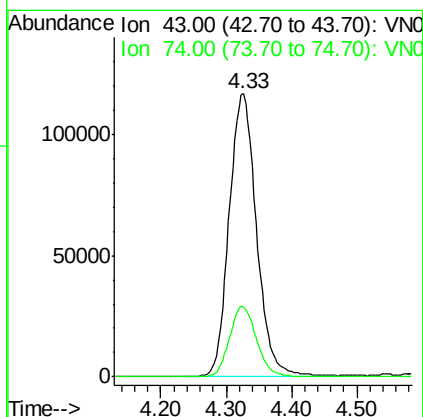
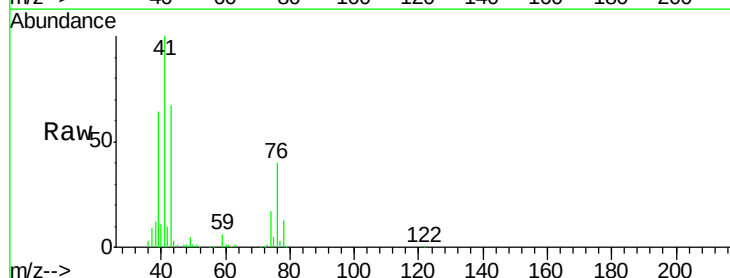
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

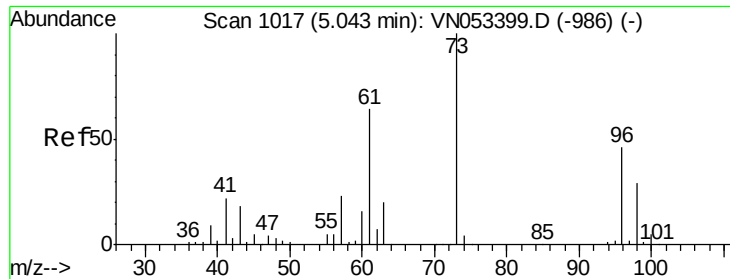
Tot Ion: 76 Resp: 916330
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 59.126 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Tgt Ion: 43 Resp: 338366
Ion Ratio Lower Upper
43 100
74 24.7 19.4 29.2

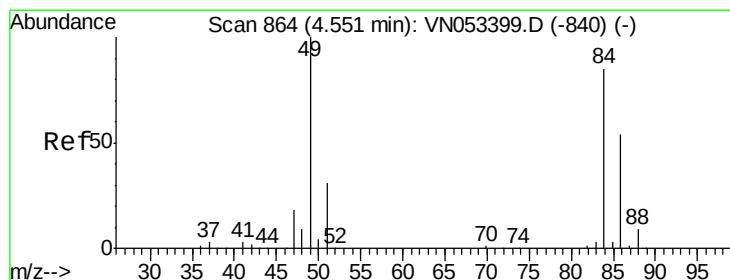
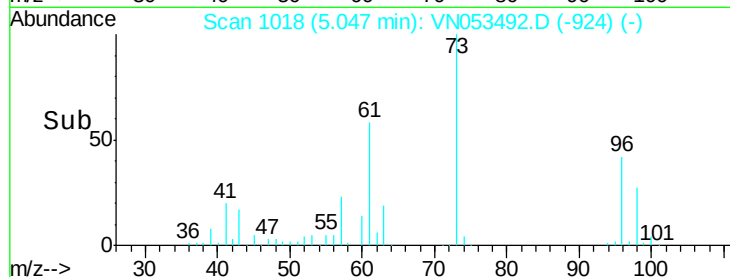
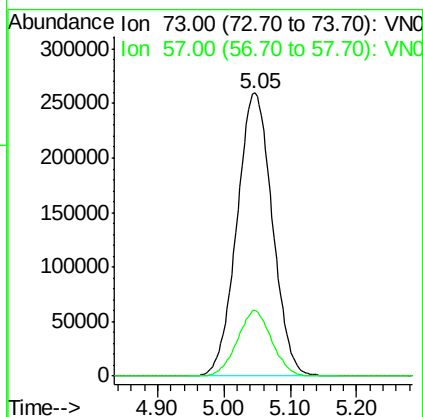
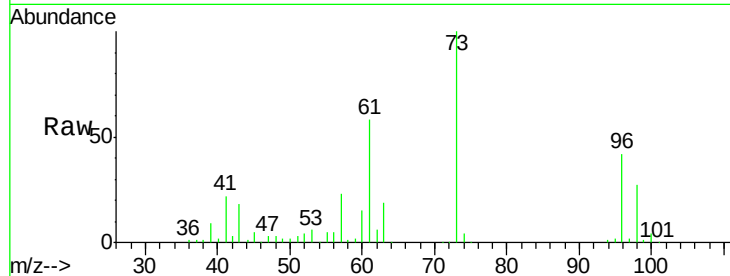




#19
Methvl tert-butvl Ether
Concen: 55.659 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

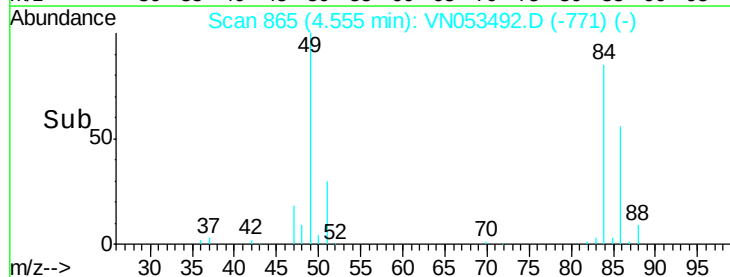
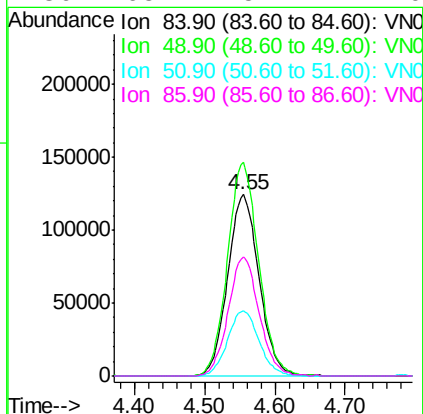
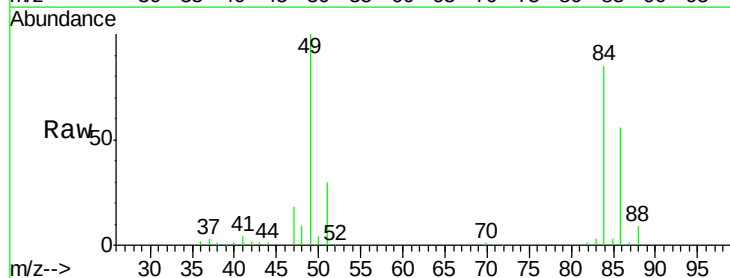
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

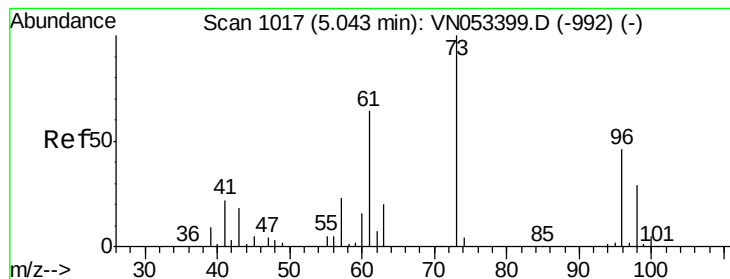
Tot Ion: 73 Resp: 964418
Ion Ratio Lower Upper
73 100
57 23.3 18.3 27.5



#20
Methylene Chloride
Concen: 49.921 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Tgt Ion: 84 Resp: 387131
Ion Ratio Lower Upper
84 100
49 117.9 94.3 141.5
51 35.8 29.4 44.2
86 65.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 50.387 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

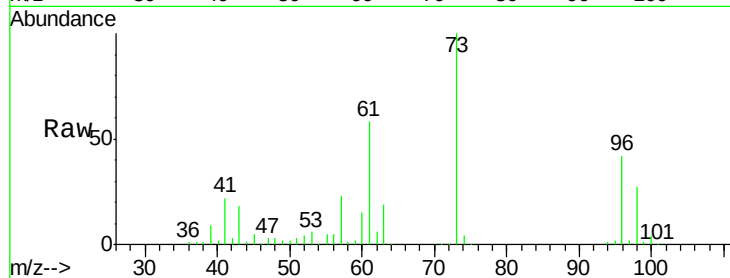
Tot Ion: 96 Resp: 351292

Ion Ratio Lower Upper

96 100

61 137.2 110.1 165.1

98 63.6 50.0 75.0

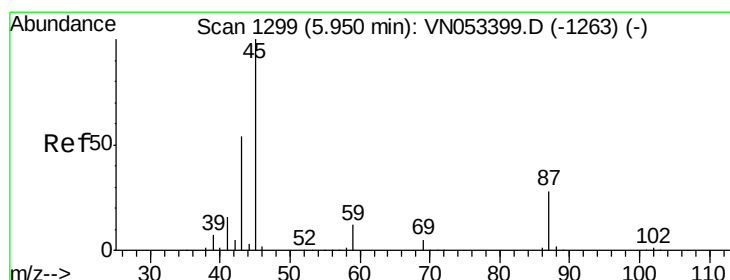
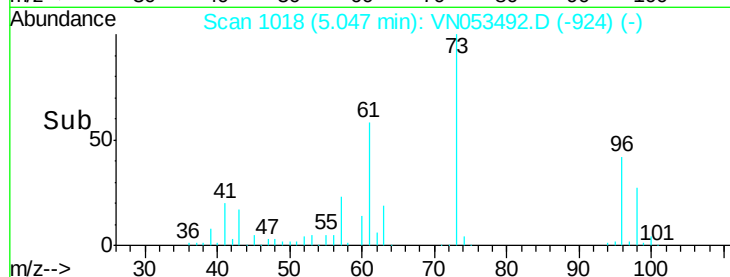
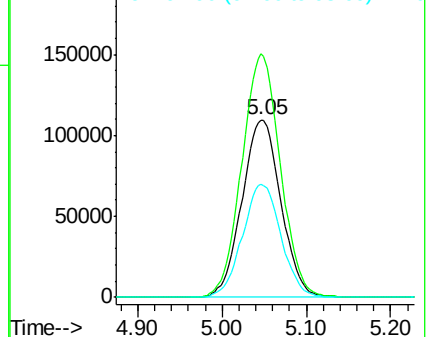


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.156 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Tgt Ion: 45 Resp: 1153330

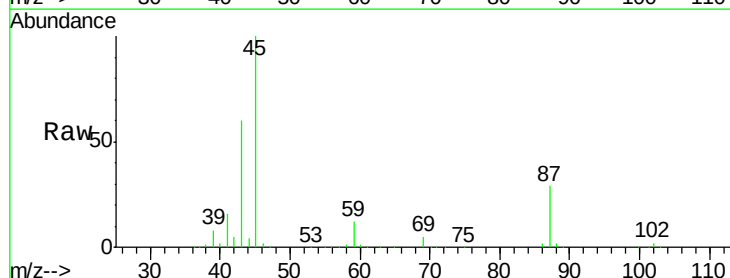
Ion Ratio Lower Upper

45 100

43 59.1 44.2 66.4

87 28.8 22.7 34.1

59 12.1 9.4 14.2



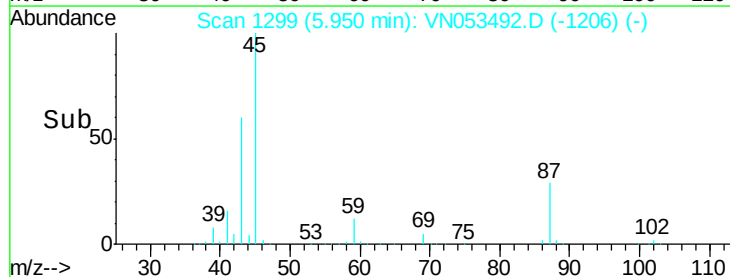
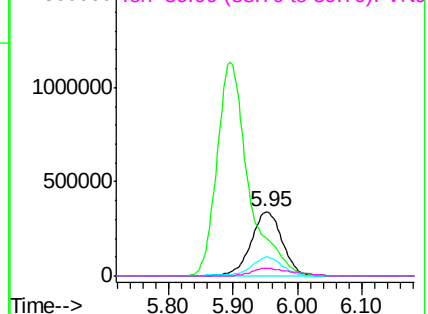
Abundance

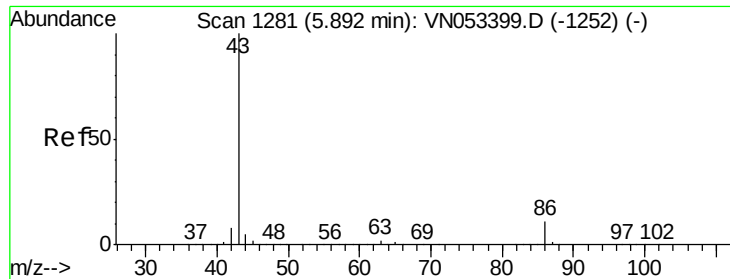
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

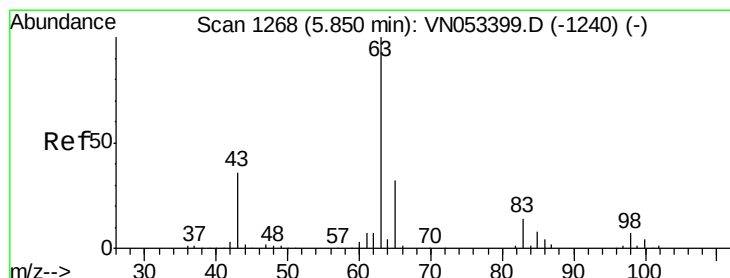
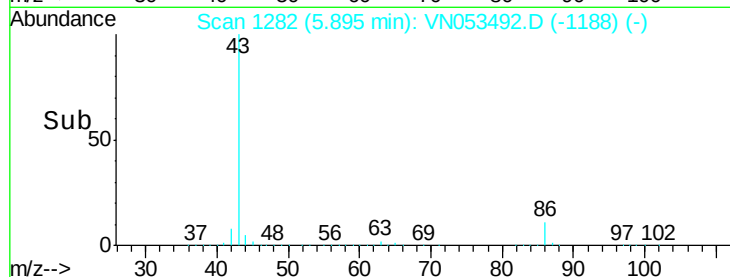
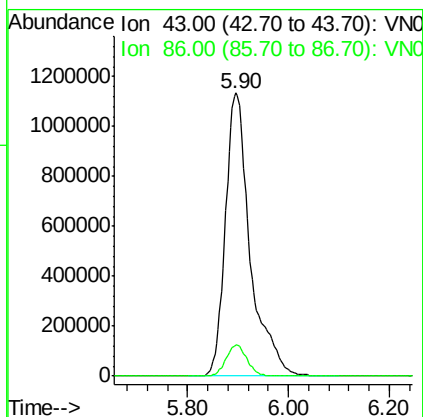
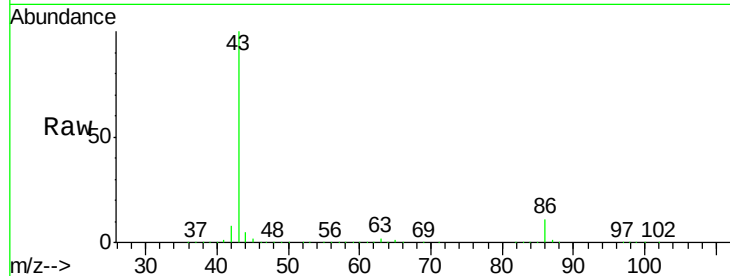




#23
 Vinyl Acetate
 Concen: 284.905 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

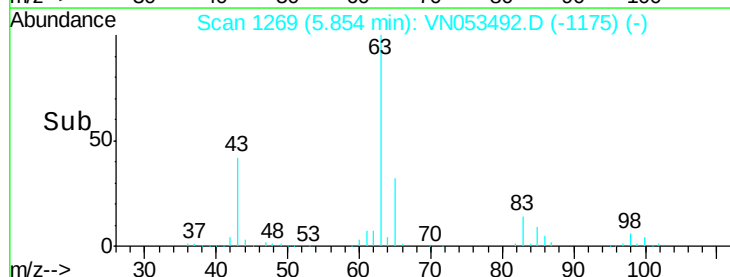
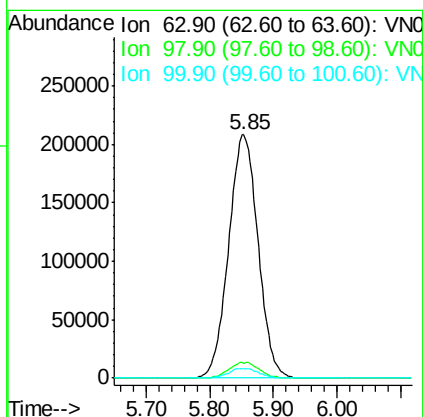
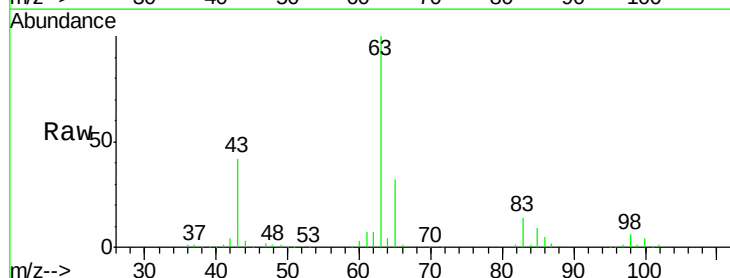
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

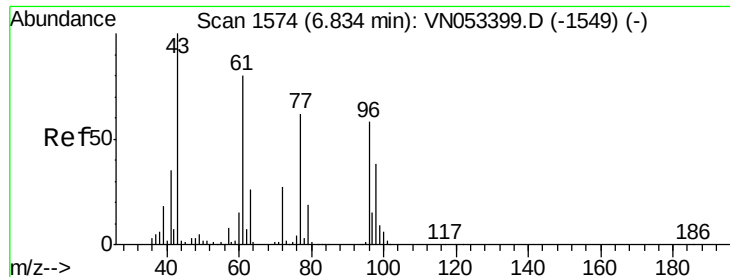
Tot Ion: 43 Resp: 3872772
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 51.084 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

Tgt Ion: 63 Resp: 667796
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.3 9.9
 100 4.0 2.1 6.5

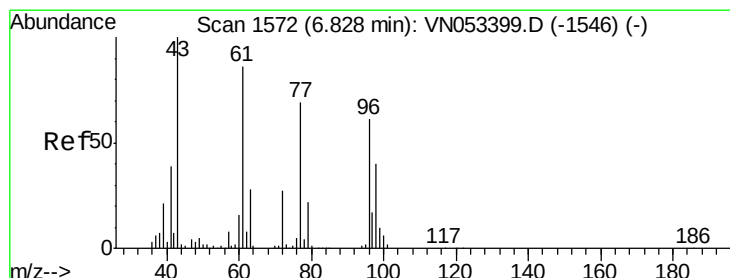
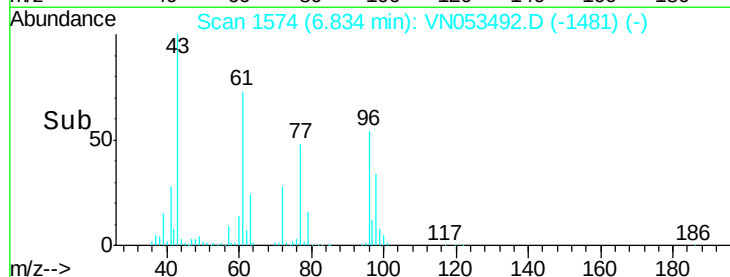
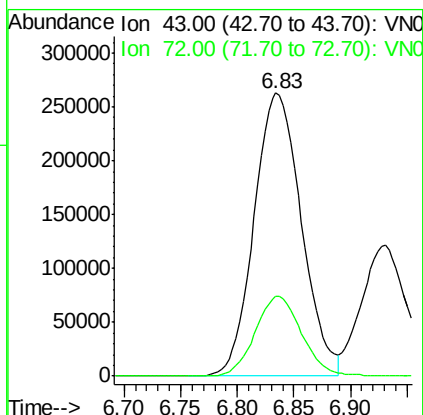
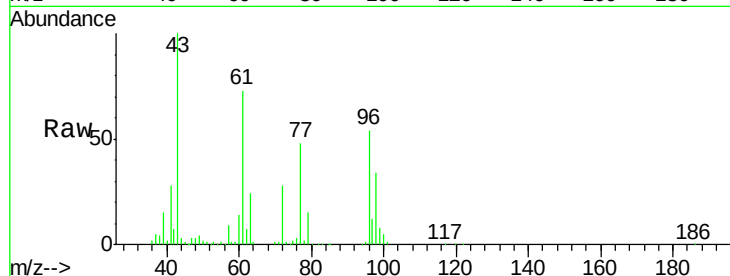




#25
 2-Butanone
 Concen: 290.120 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

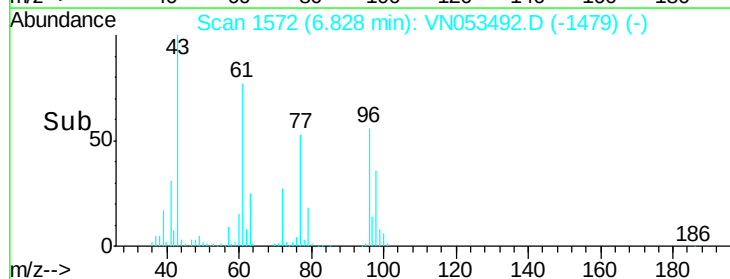
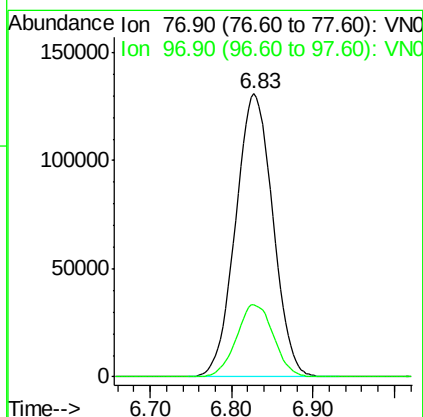
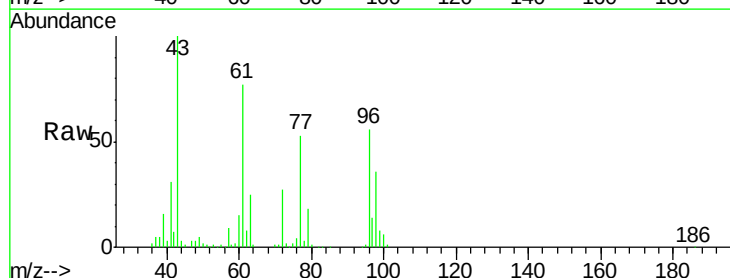
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

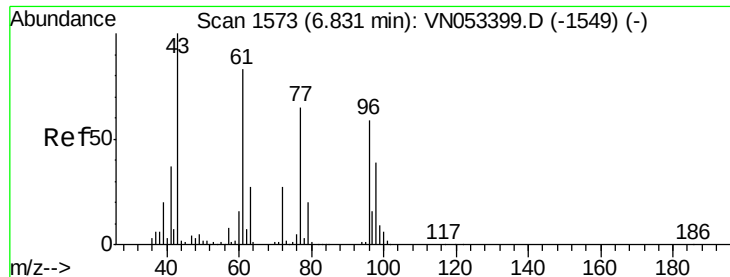
Tot Ion: 43 Resp: 759393
 Ion Ratio Lower Upper
 43 100
 72 28.2 22.0 33.0



#26
 2,2-Dichloropropane
 Concen: 41.965 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

Tgt Ion: 77 Resp: 414198
 Ion Ratio Lower Upper
 77 100
 97 25.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.536 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

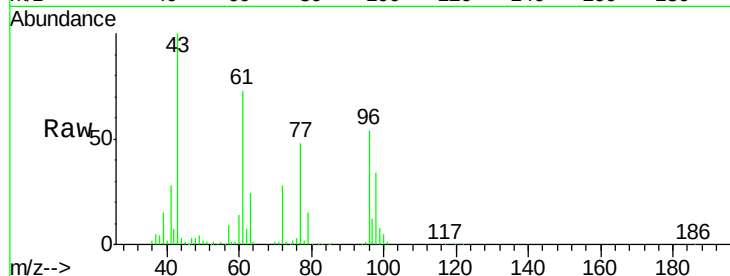
Tot Ion: 96 Resp: 410876

Ion Ratio Lower Upper

96 100

61 137.3 0.0 283.8

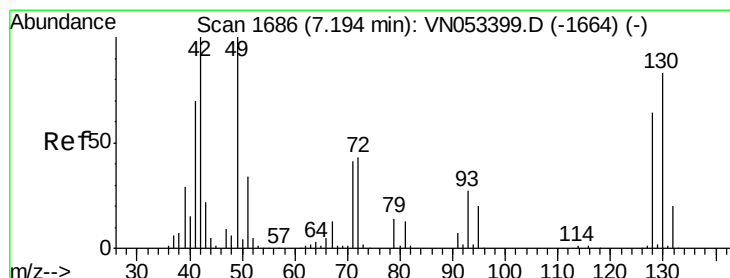
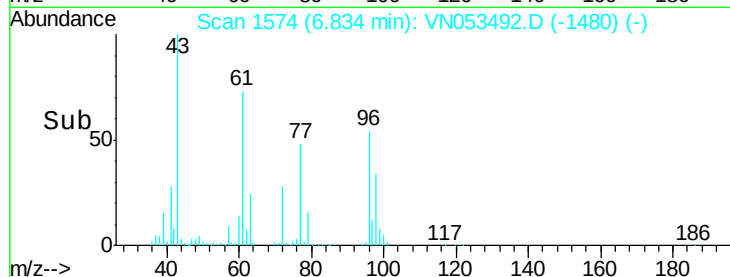
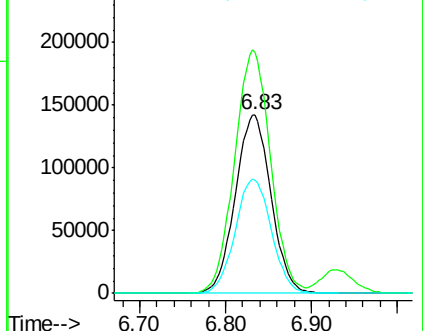
98 64.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 53.152 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

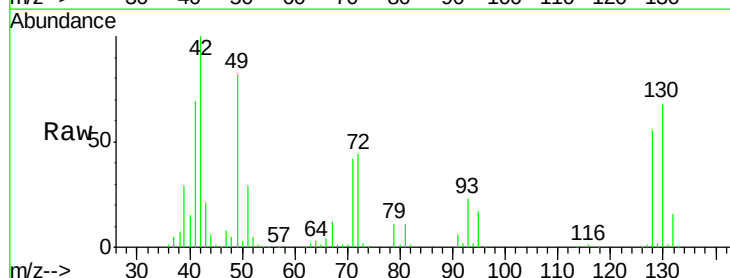
Tgt Ion: 49 Resp: 306102

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

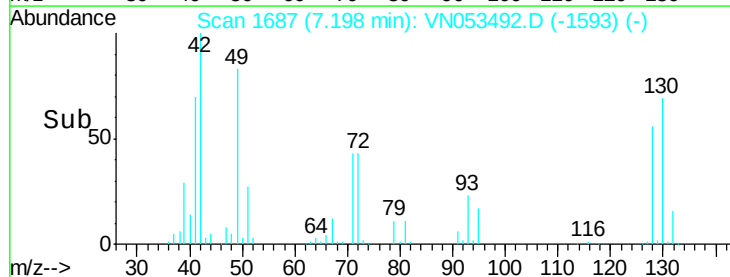
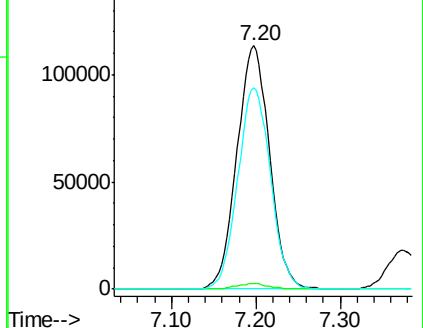
130 83.2 66.3 99.5

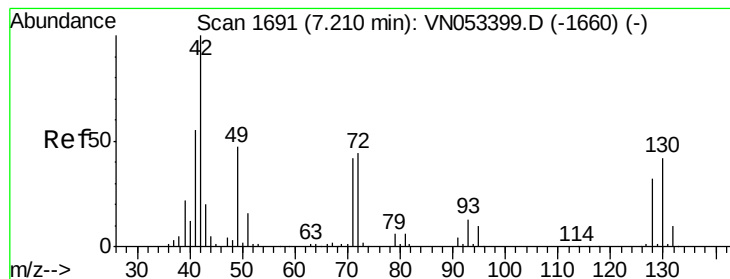


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 304.265 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

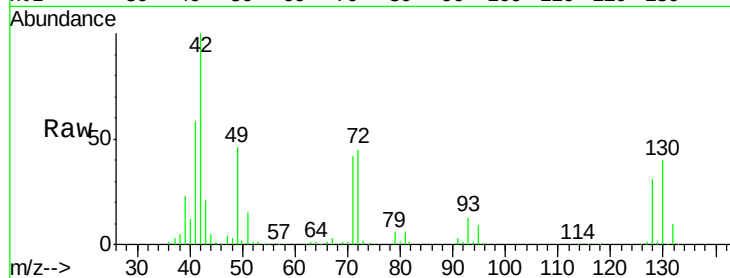
Tot Ion: 42 Resp: 518470

Ion Ratio Lower Upper

42 100

72 44.7 35.2 52.8

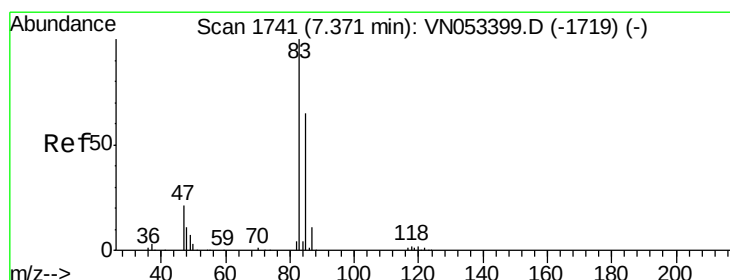
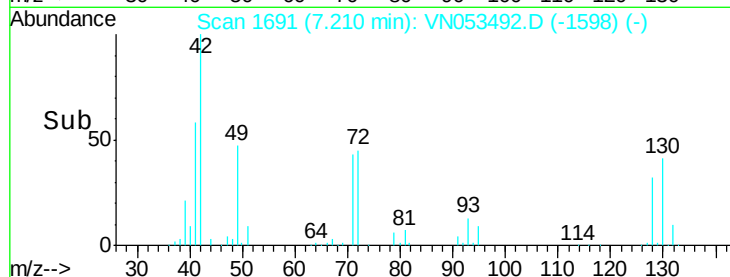
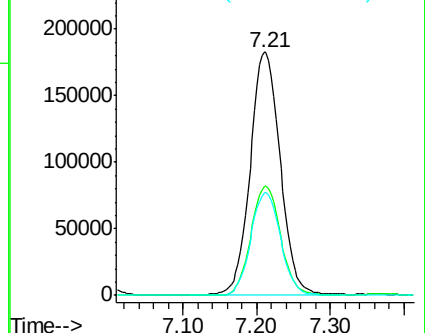
71 42.1 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN053399.D (-1660) (-)

Ion 72.00 (71.70 to 72.70): VN053399.D (-1660) (-)

Ion 71.00 (70.70 to 71.70): VN053399.D (-1660) (-)



#30

Chloroform

Concen: 51.495 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053492.D

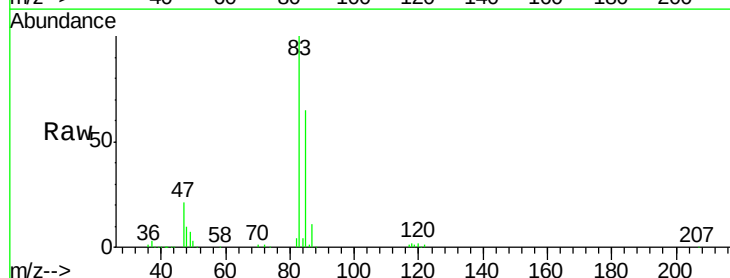
Acq: 19 Jan 2019 00:12

Tgt Ion: 83 Resp: 655873

Ion Ratio Lower Upper

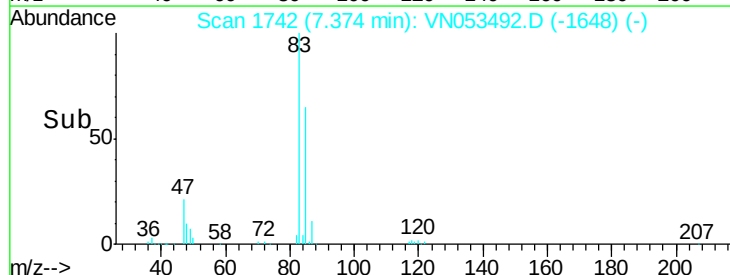
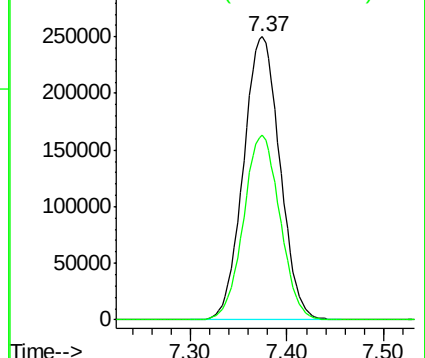
83 100

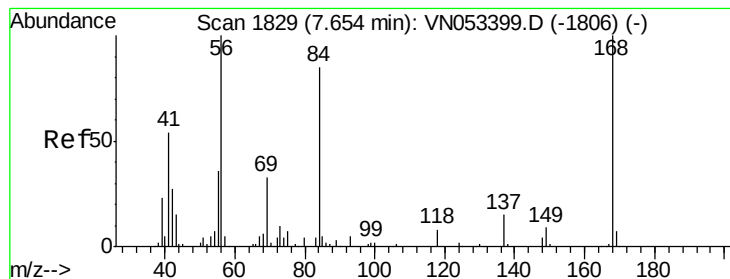
85 65.5 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-1719) (-)





#31

Cyclohexane

Concen: 47.134 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

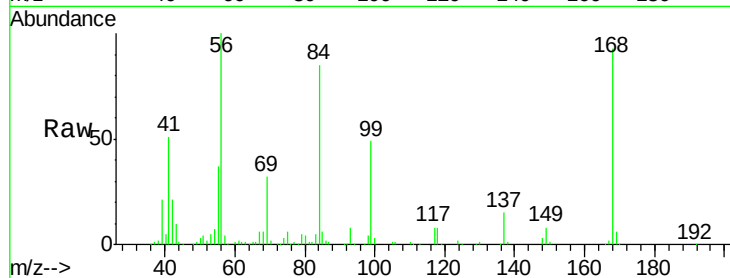
Tot Ion: 56 Resp: 599792

Ion Ratio Lower Upper

56 100

69 31.9 26.4 39.6

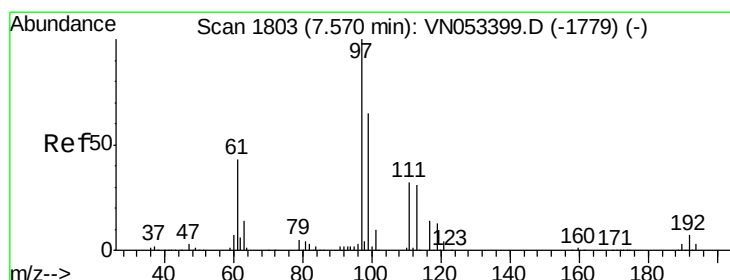
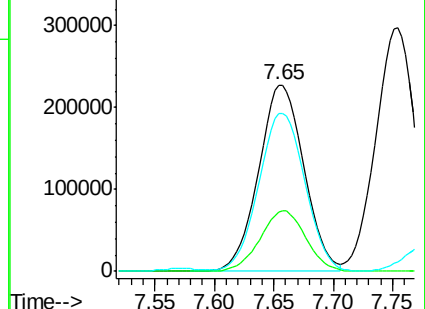
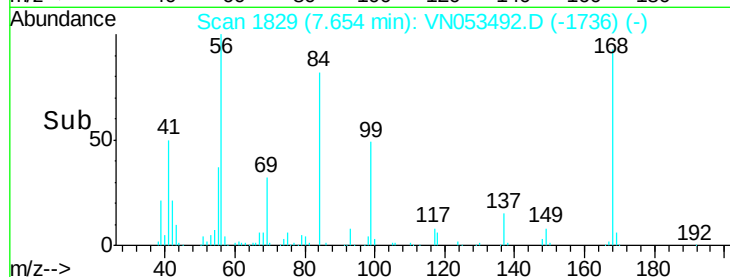
84 83.6 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 51.226 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

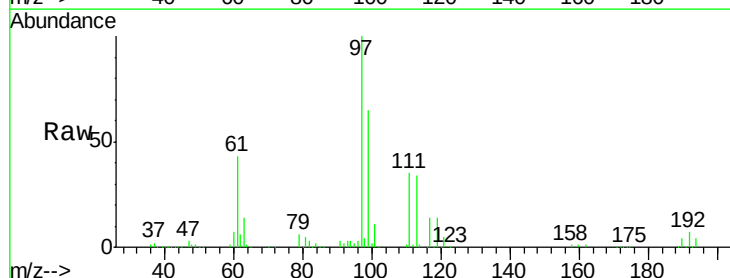
Tgt Ion: 97 Resp: 553466

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

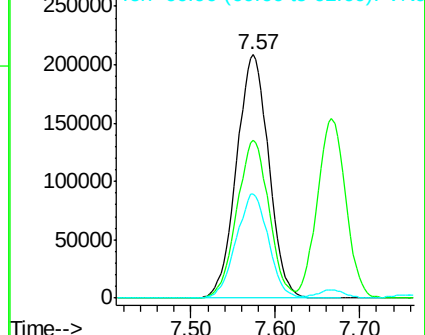
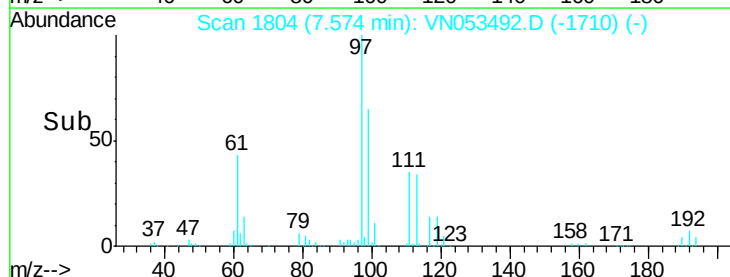
61 42.9 34.4 51.6

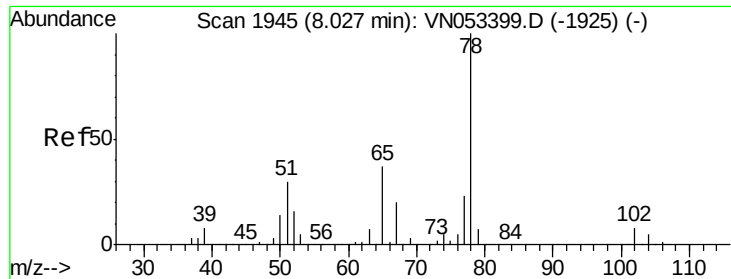


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.226 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

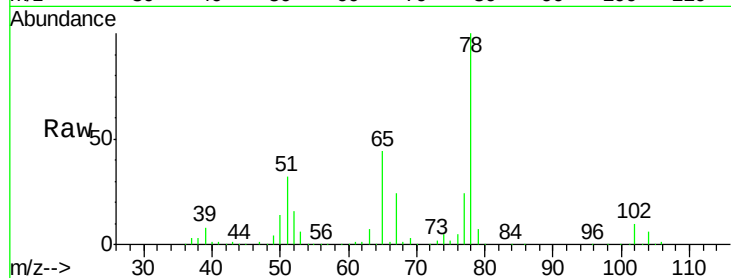
VSTDCCC050EC

Tot Ion: 65 Resp: 377756

Ion Ratio Lower Upper

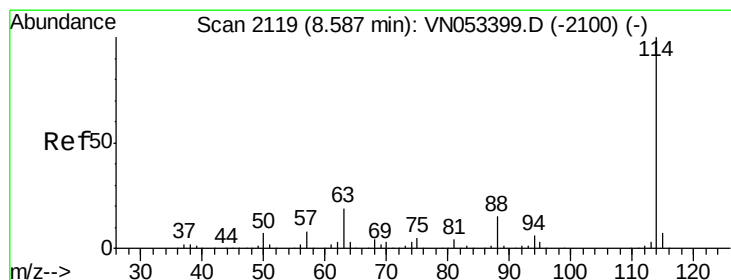
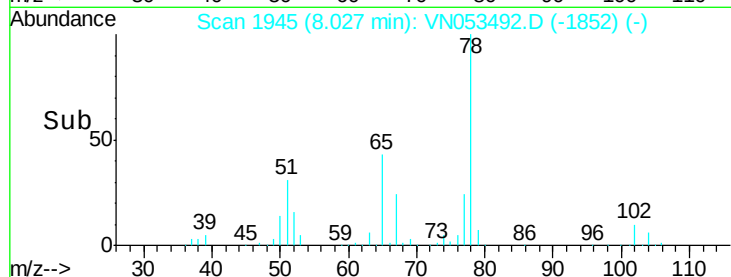
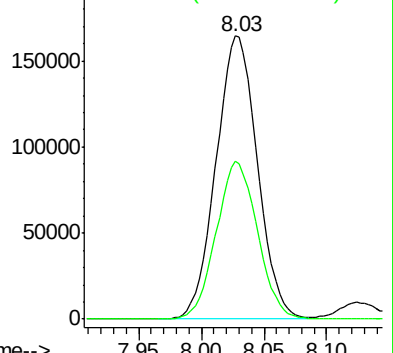
65 100

67 55.5 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053399.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053399.D (-1925) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

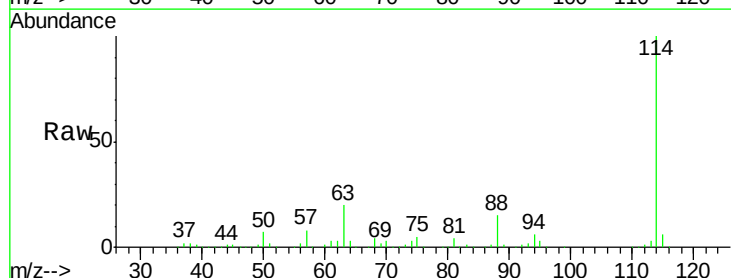
Tgt Ion: 114 Resp: 1120679

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

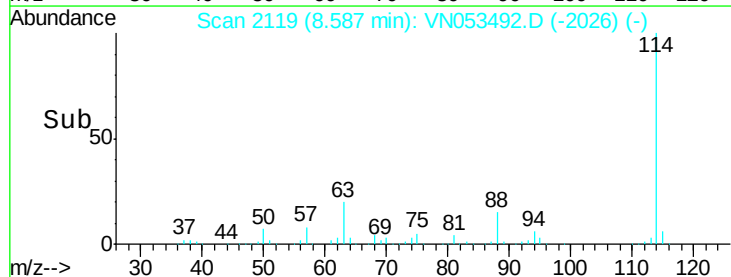
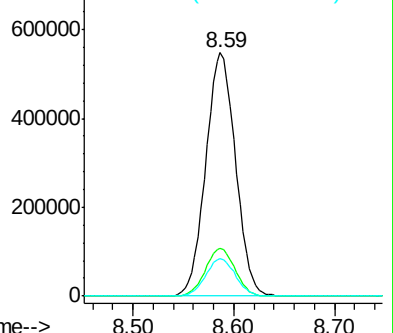
88 15.2 0.0 30.4

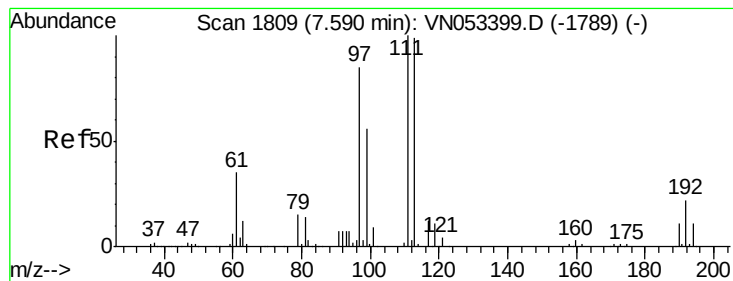


Abundance Ion 113.90 (113.60 to 114.60): VN053399.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053399.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053399.D (-2100) (-)





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

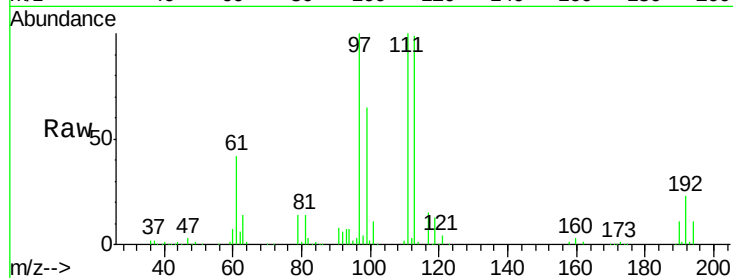
Tot Ion:113 Resp: 334399

Ion Ratio Lower Upper

113 100

111 101.3 81.1 121.7

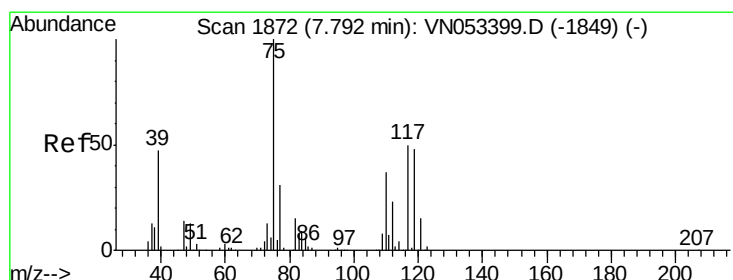
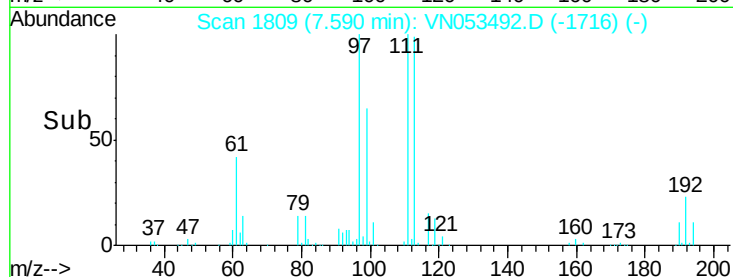
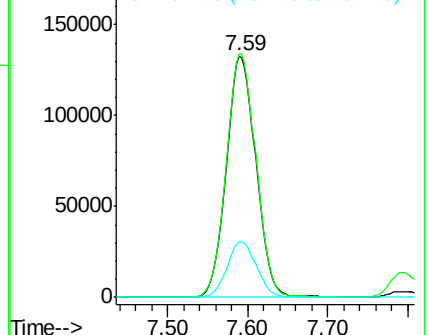
192 22.9 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.979 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

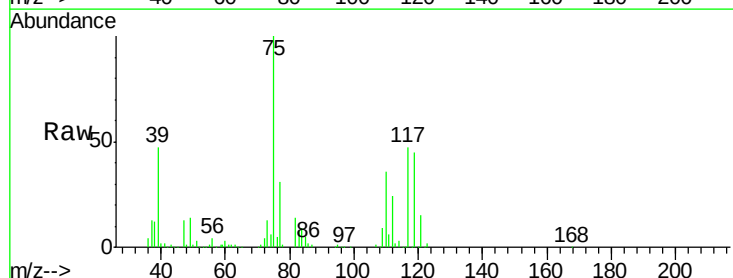
Tgt Ion: 75 Resp: 499890

Ion Ratio Lower Upper

75 100

110 36.4 18.1 54.3

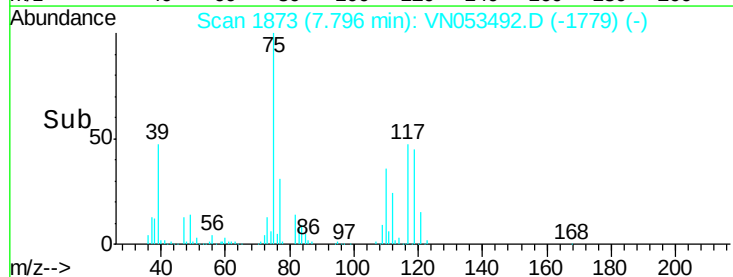
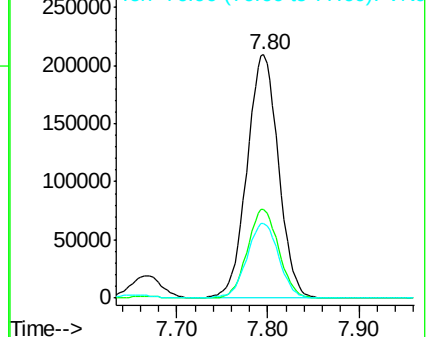
77 31.4 25.1 37.7

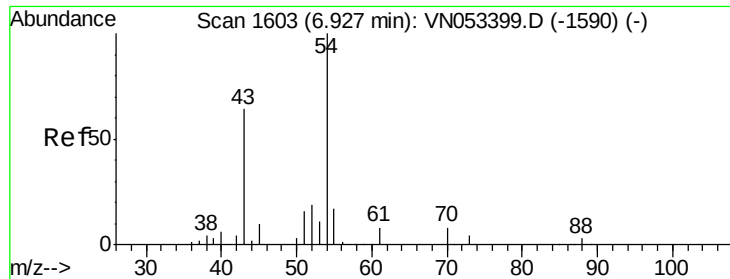


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

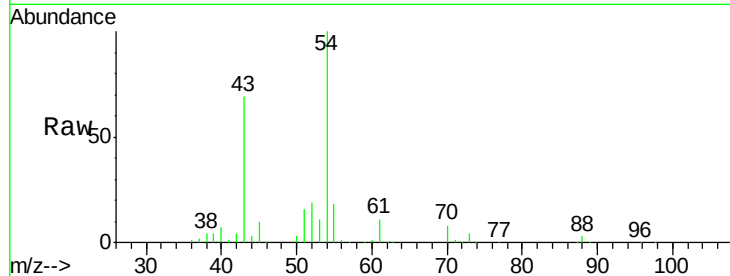




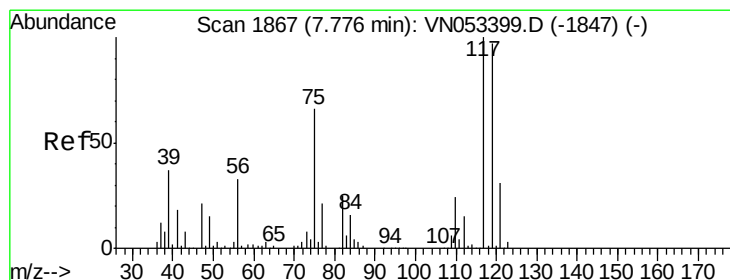
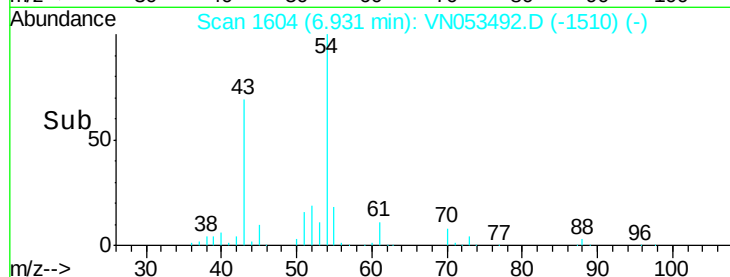
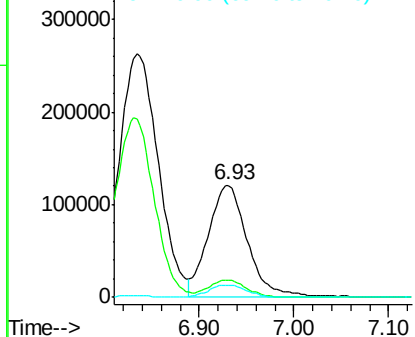
#37
Ethyl Acetate
Concen: 58.227 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 341901
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 10.9 8.6 12.8

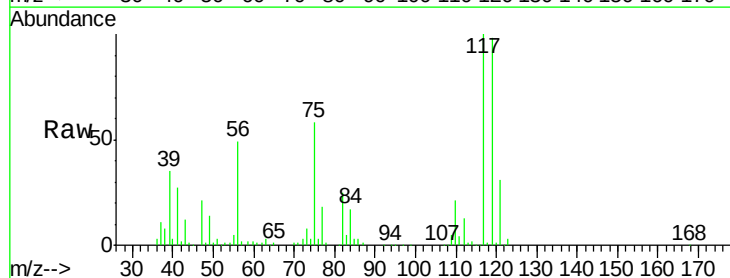


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

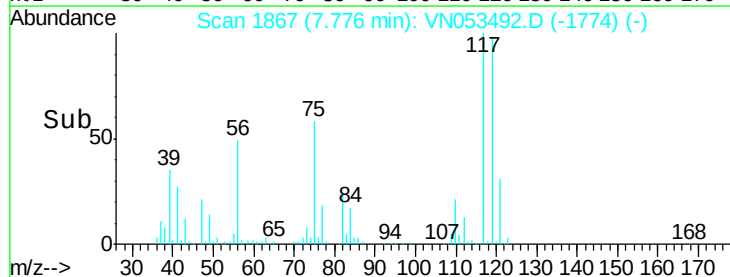
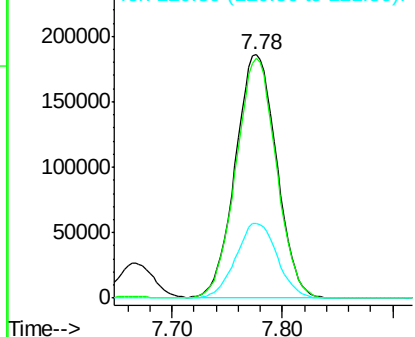


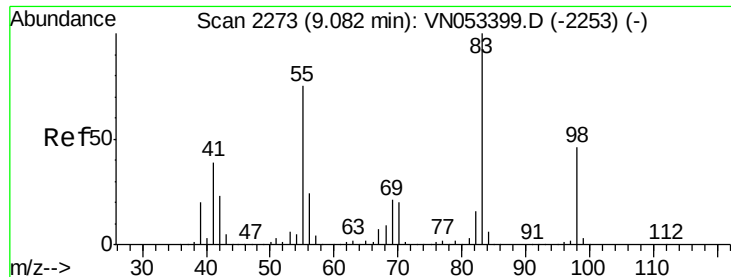
#38
Carbon Tetrachloride
Concen: 49.719 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Tgt Ion: 117 Resp: 480411
Ion Ratio Lower Upper
117 100
119 98.3 77.2 115.8
121 30.9 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

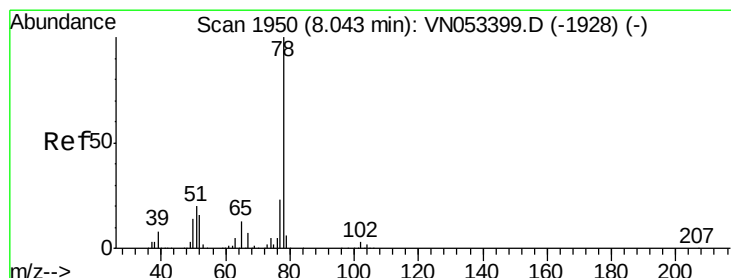
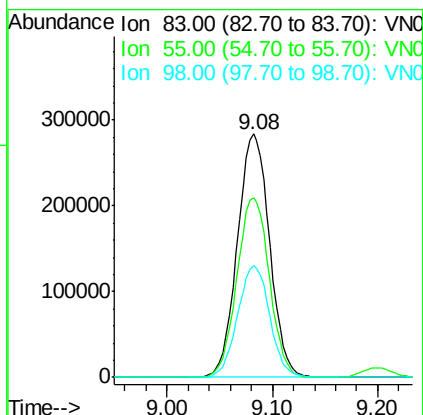
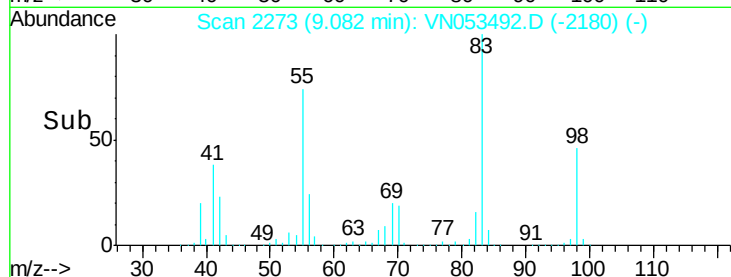
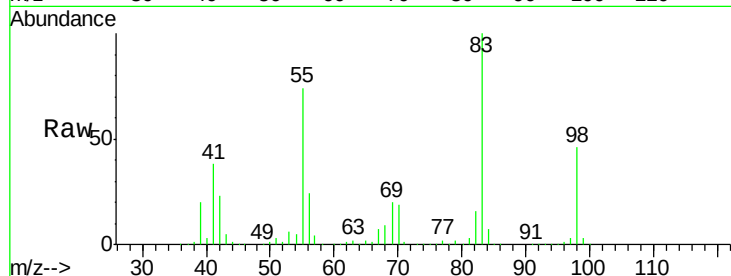




#39
Methylvlcyclohexane
Concen: 47.741 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

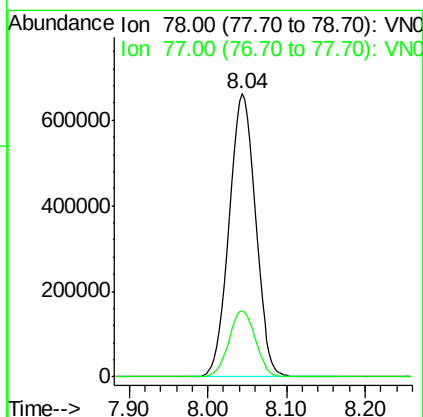
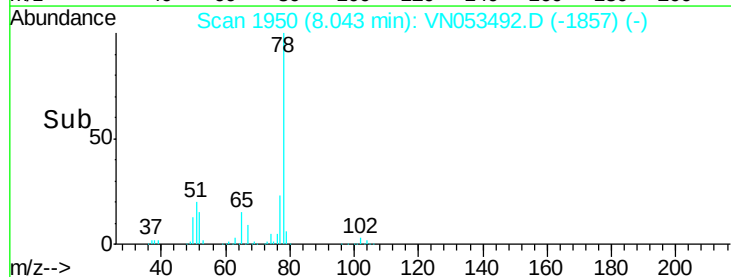
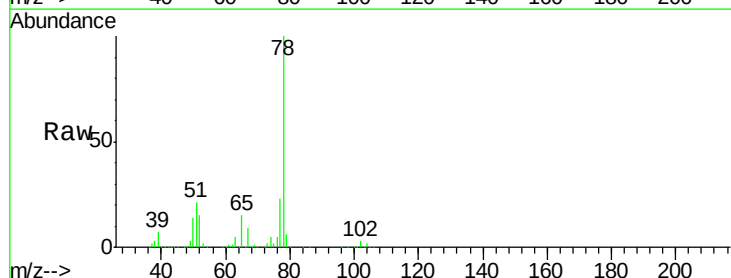
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

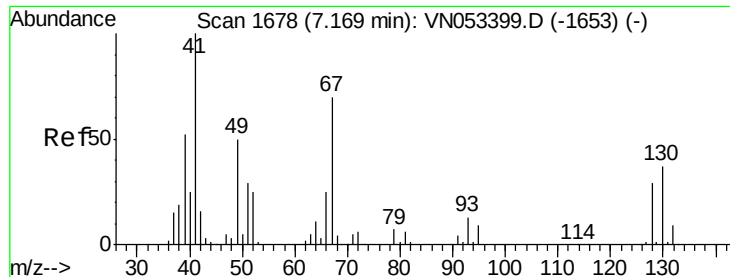
Tot Ion: 83 Resp: 602244
Ion Ratio Lower Upper
83 100
55 73.9 60.1 90.1
98 45.8 36.6 55.0



#40
Benzene
Concen: 49.788 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Tgt Ion: 78 Resp: 1544167
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

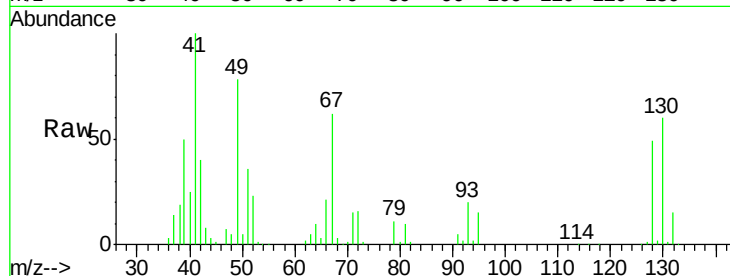




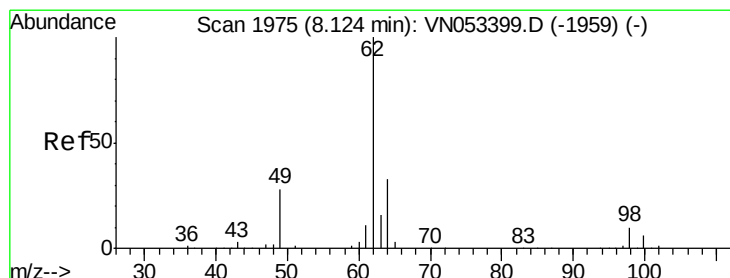
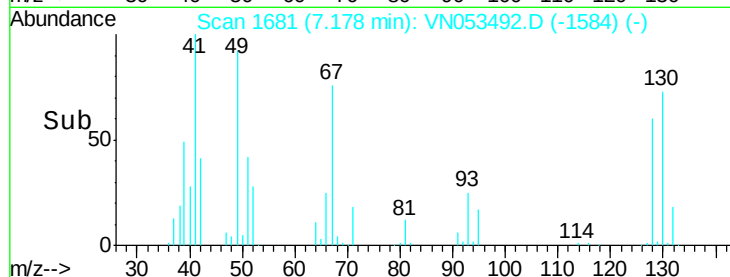
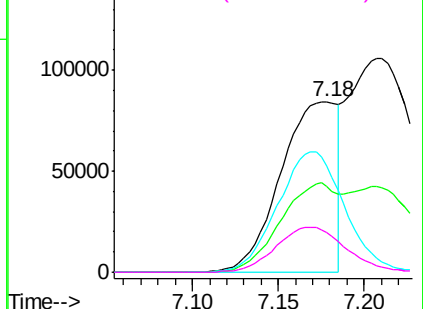
#41
Methacrylonitrile
Concen: 55.404 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 193567
Ion Ratio Lower Upper
41 100
39 55.0 46.8 70.2
67 83.7 63.0 94.6
52 32.1 23.8 35.8

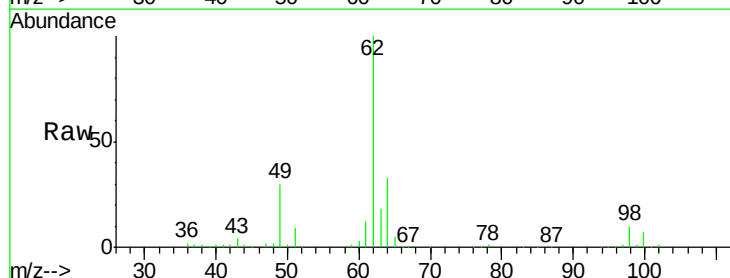


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

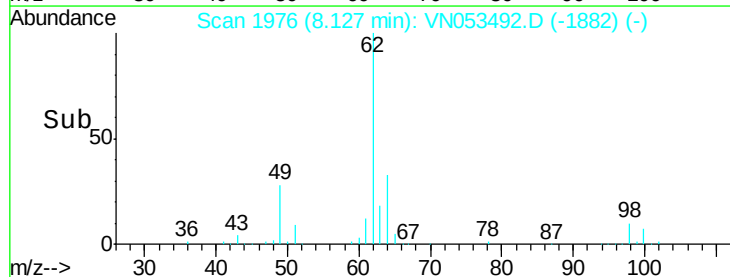
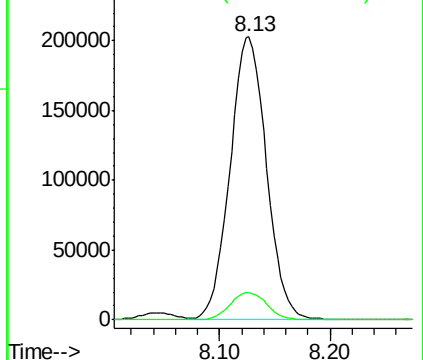


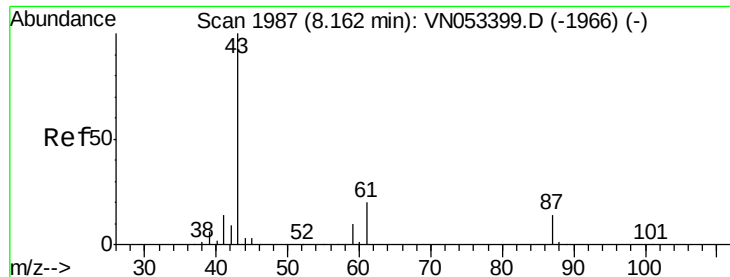
#42
1,2-Dichloroethane
Concen: 51.225 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Tgt Ion: 62 Resp: 462844
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 58.804 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

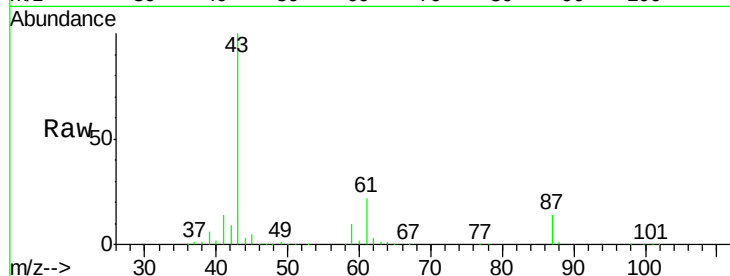
Tot Ion: 43 Resp: 620875

Ion Ratio Lower Upper

43 100

61 29.1 23.9 35.9

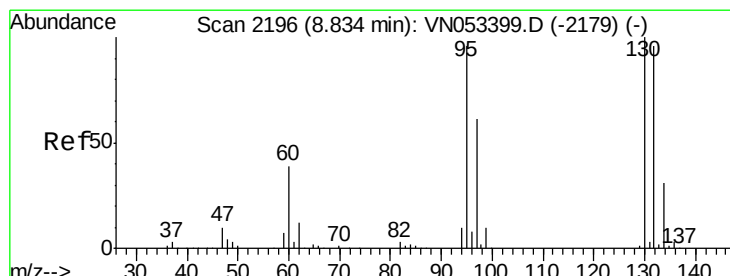
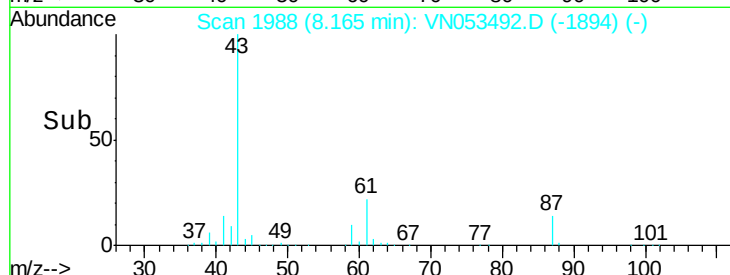
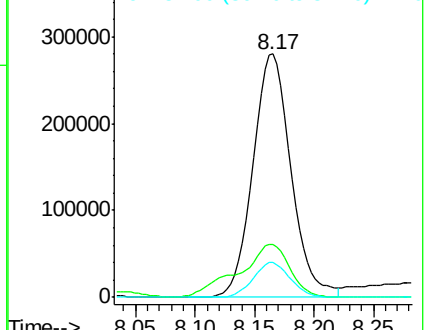
87 13.9 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 49.966 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053492.D

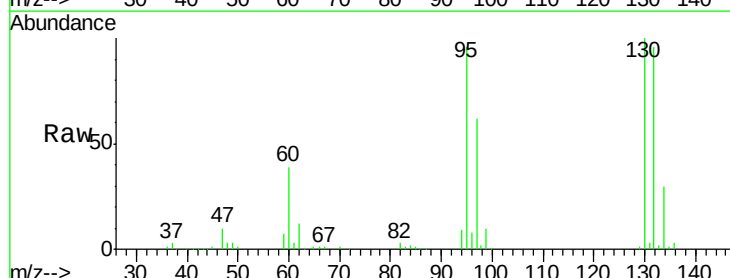
Acq: 19 Jan 2019 00:12

Tgt Ion:130 Resp: 429750

Ion Ratio Lower Upper

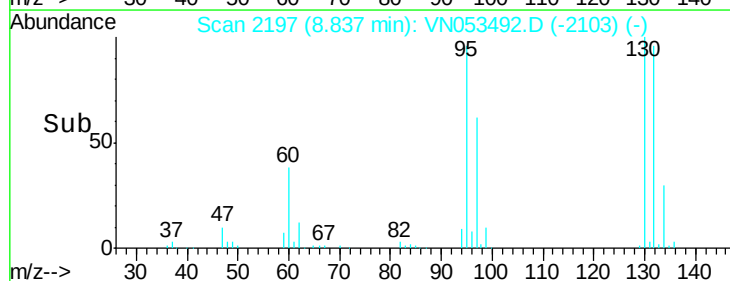
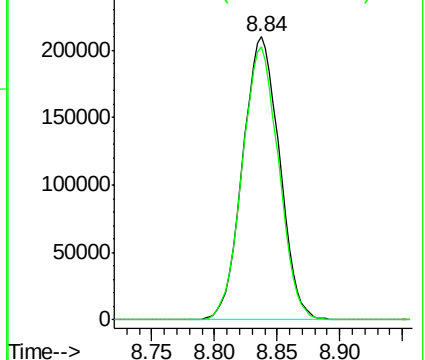
130 100

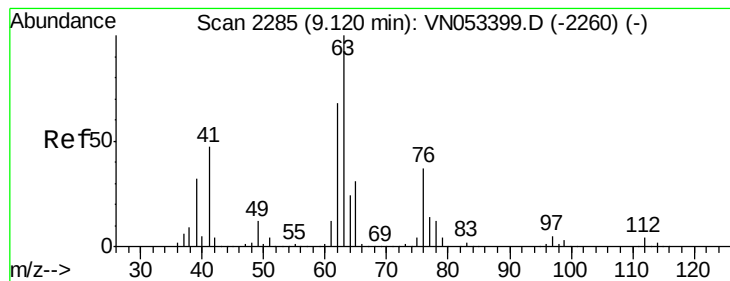
95 96.3 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 49.979 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

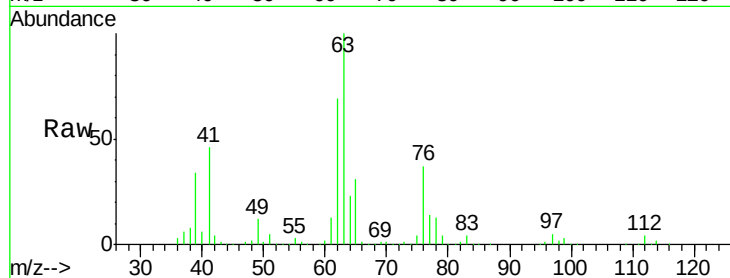
VSTDCCC050EC

Tot Ion: 63 Resp: 410571

Ion Ratio Lower Upper

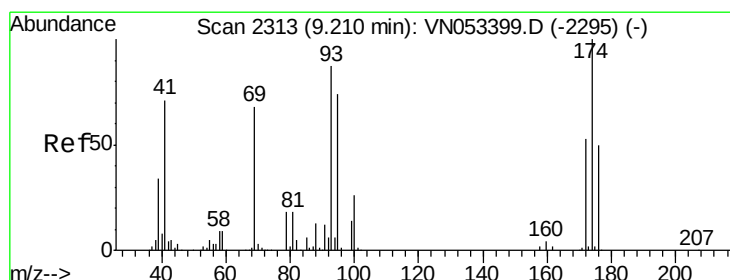
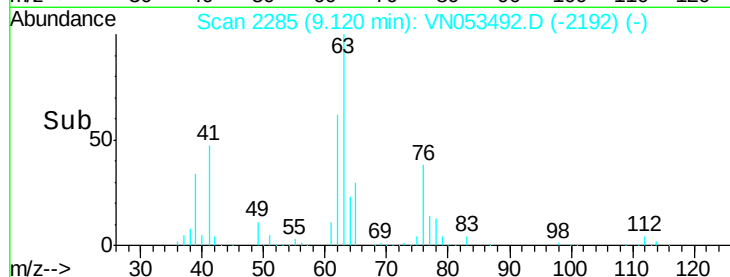
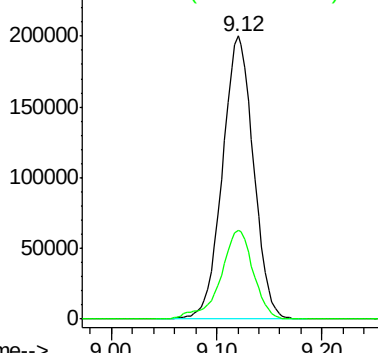
63 100

65 31.4 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.805 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

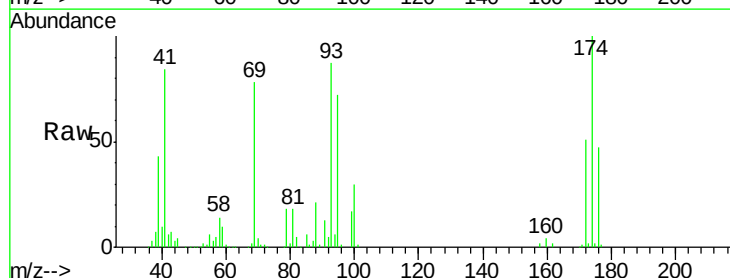
Tgt Ion: 93 Resp: 244505

Ion Ratio Lower Upper

93 100

95 83.7 67.3 100.9

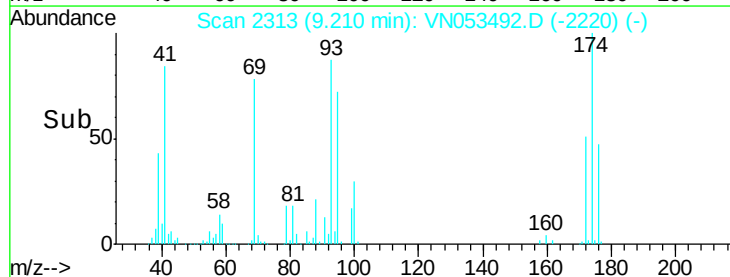
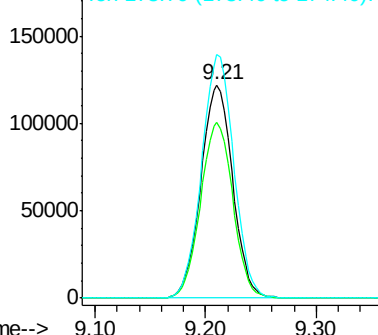
174 115.4 91.0 136.4

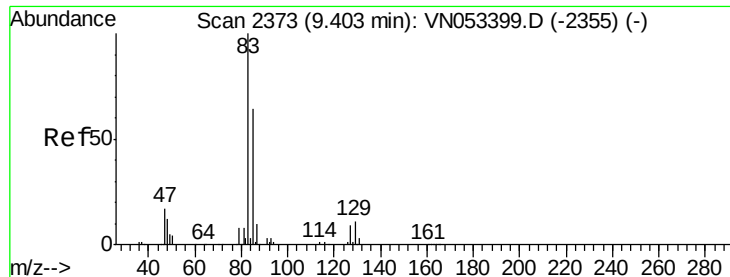


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.805 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

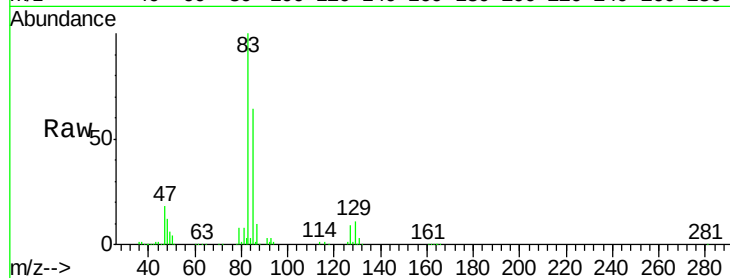
Tot Ion: 83 Resp: 504269

Ion Ratio Lower Upper

83 100

85 64.5 51.0 76.6

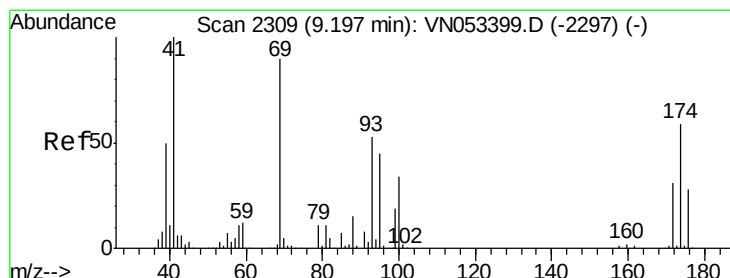
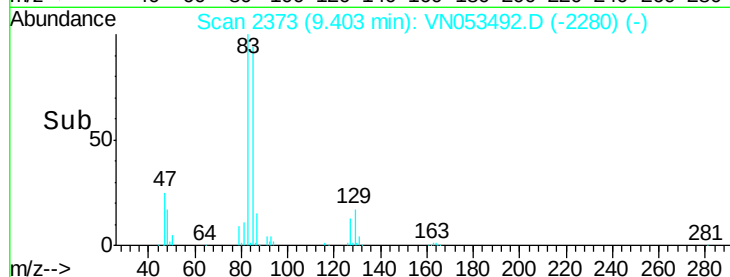
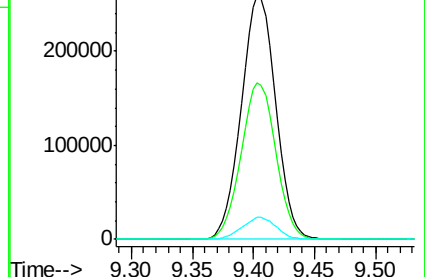
127 9.0 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN053399.D (-2355) (-)



#48

Methyl methacrylate

Concen: 56.194 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

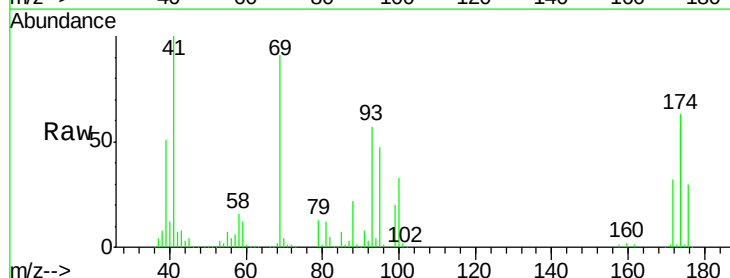
Tgt Ion: 41 Resp: 306343

Ion Ratio Lower Upper

41 100

69 93.9 73.8 110.6

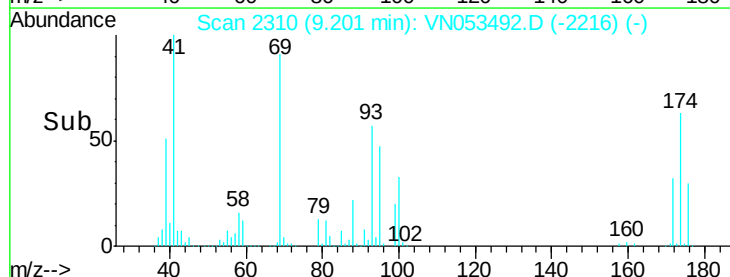
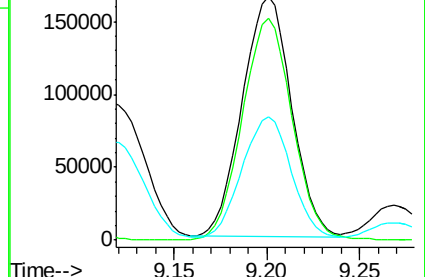
39 52.2 40.0 60.0

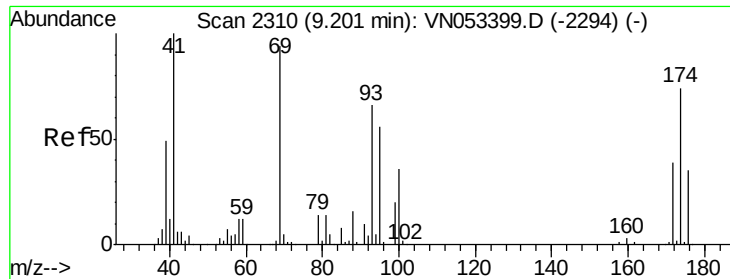


Abundance Ion 41.00 (40.70 to 41.70): VN053399.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN053399.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN053399.D (-2297) (-)





#49

1,4-Dioxane

Concen: 1476.417 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

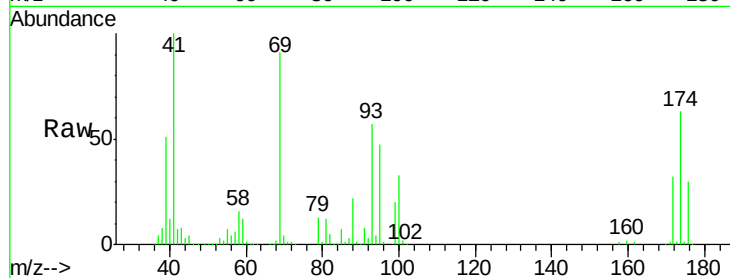
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 78606

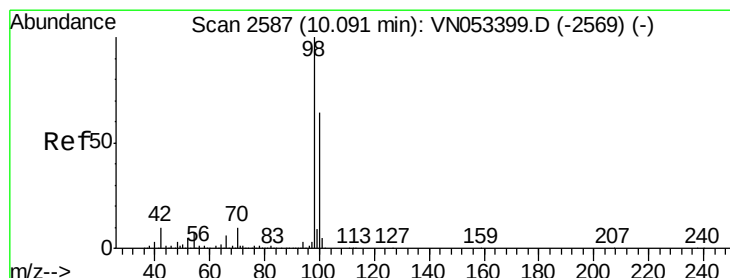
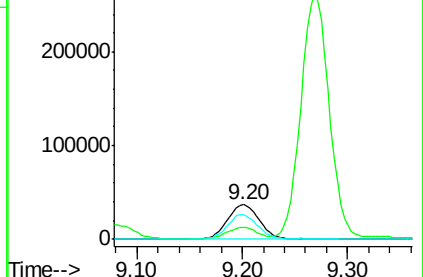
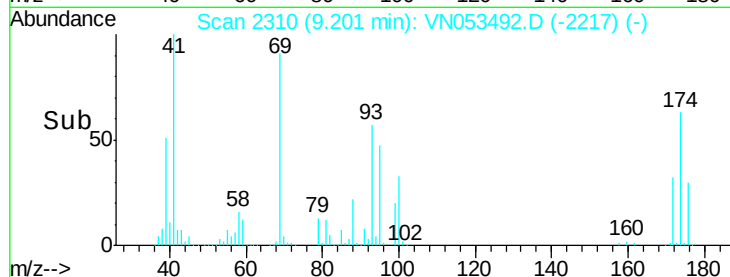
Ion	Ratio	Lower	Upper
88	100		
43	30.4	27.8	41.6
58	68.0	56.5	84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 1476.417 ug/l

RT: 10.09 min Scan# 2587

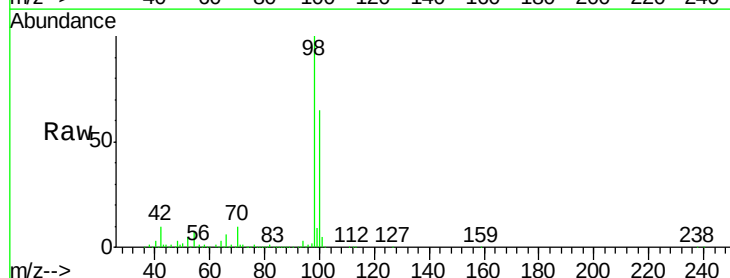
Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

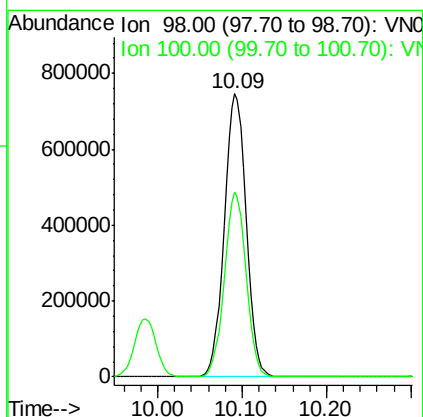
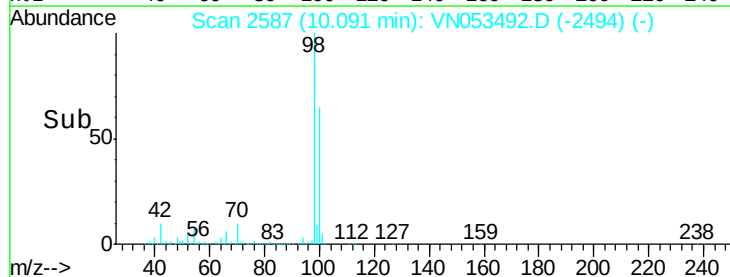
Tgt Ion: 98 Resp: 1342616

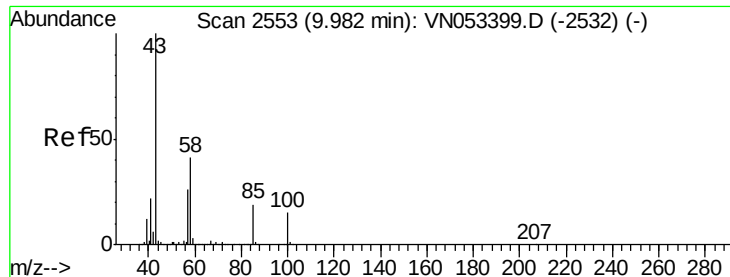
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

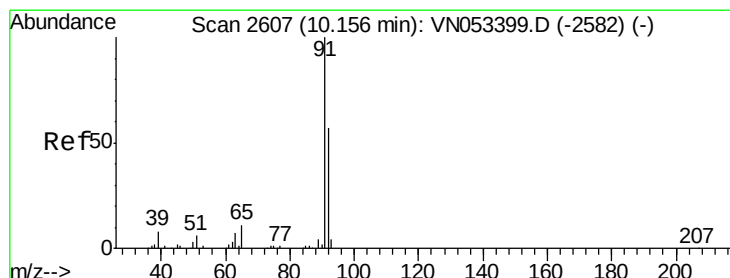
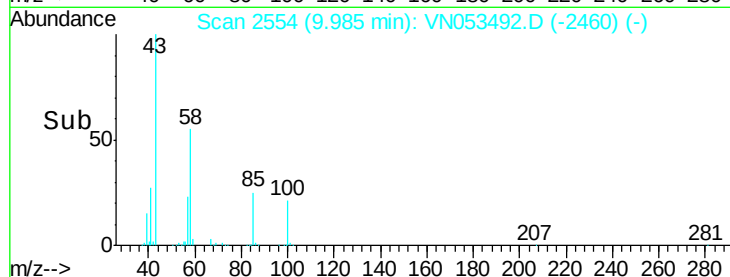
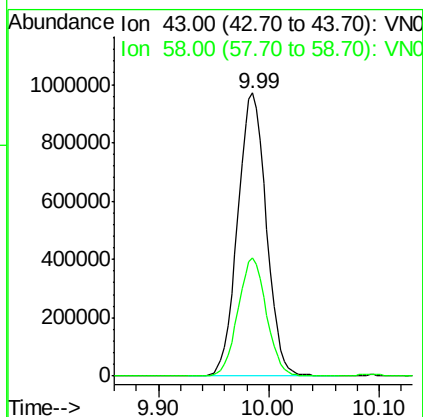
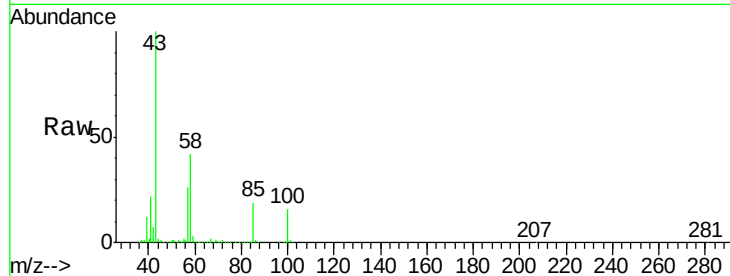




#51
 4-Methyl-2-Pentanone
 Concen: 302.375 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

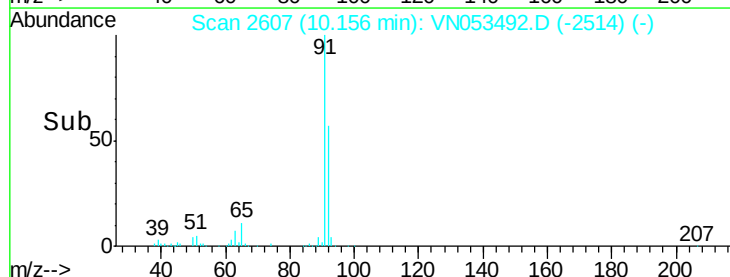
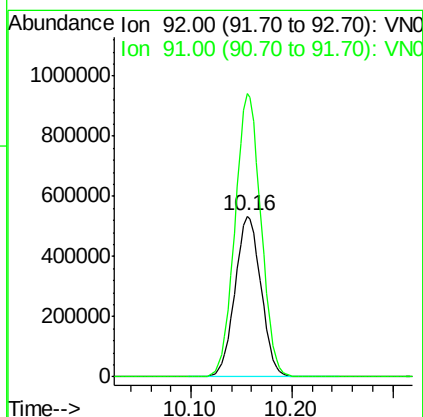
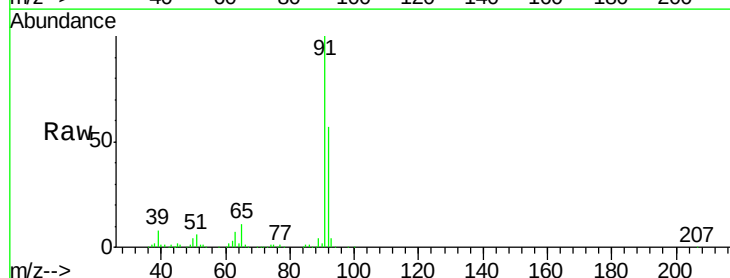
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

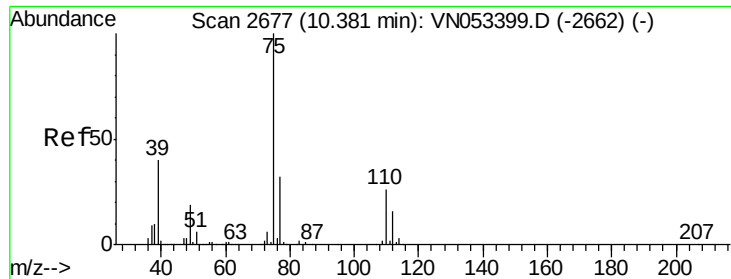
Tot Ion: 43 Resp: 1742813
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.8 49.2



#52
 Toluene
 Concen: 49.522 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

Tgt Ion: 92 Resp: 953518
 Ion Ratio Lower Upper
 92 100
 91 175.9 139.9 209.9

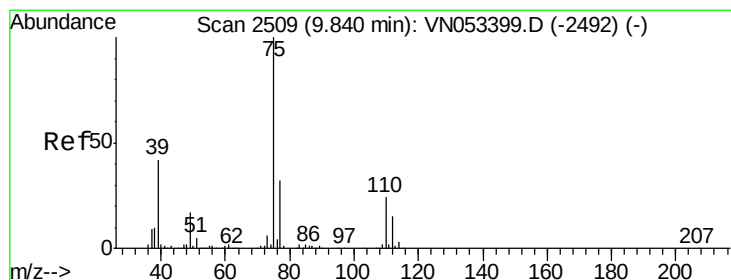
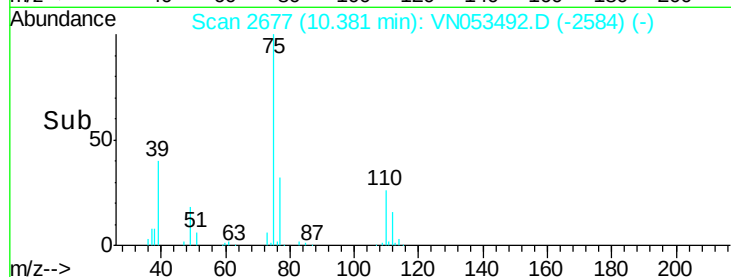
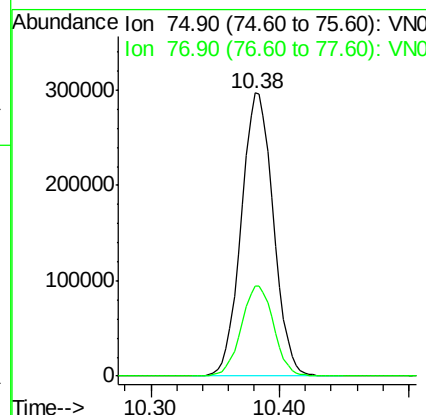
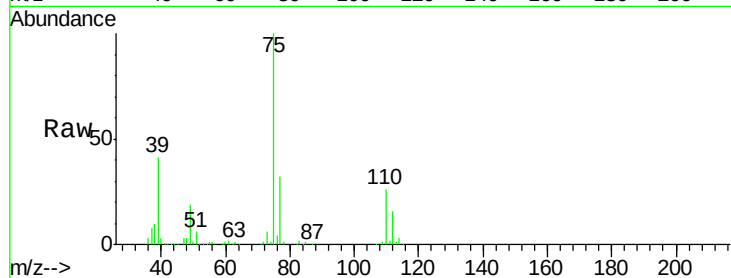




#53
 t-1,3-Dichloropropene
 Concen: 51.196 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

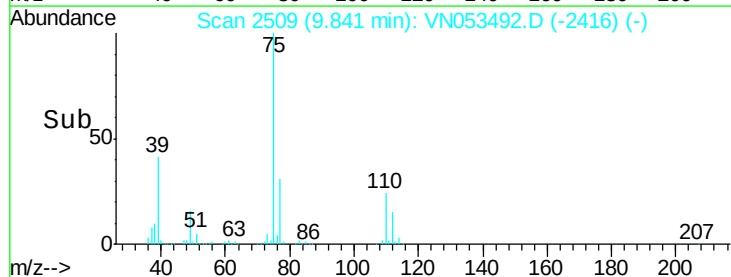
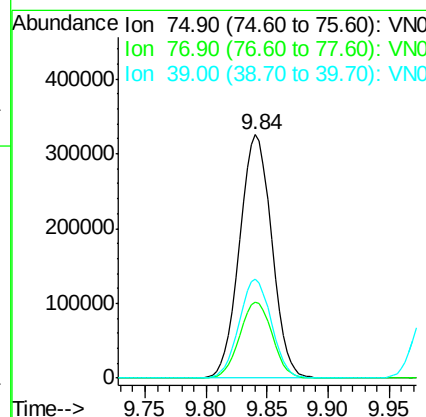
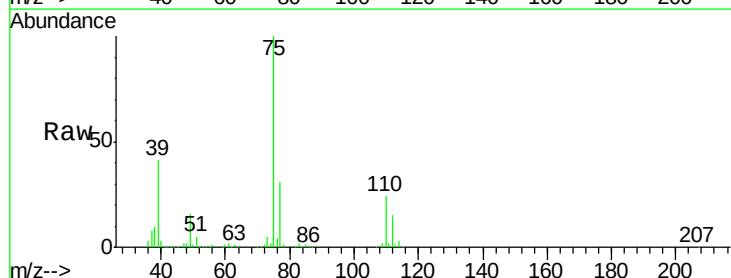
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

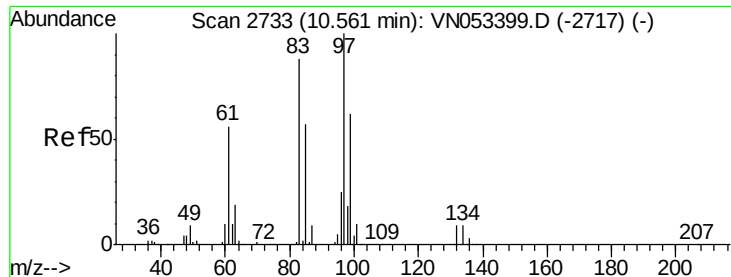
Tot Ion: 75 Resp: 515061
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 50.601 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

Tgt Ion: 75 Resp: 596762
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.8 38.6
 39 40.8 33.4 50.0

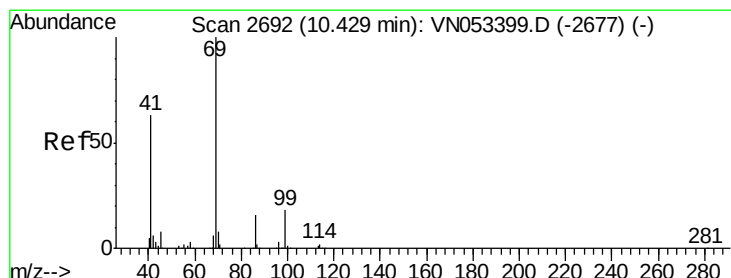
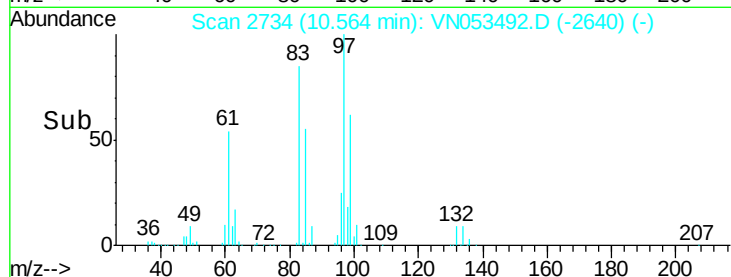
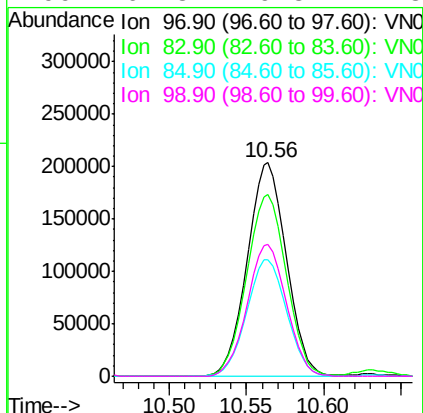
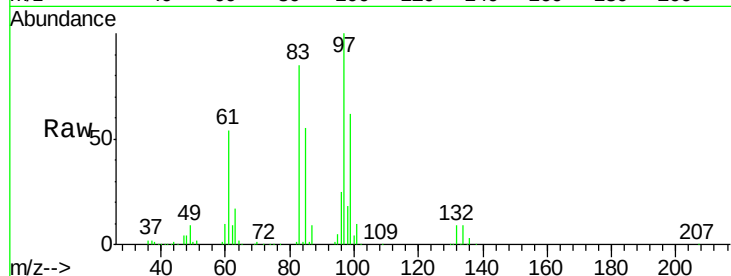




#55
 1,1,2-Trichloroethane
 Concen: 54.094 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

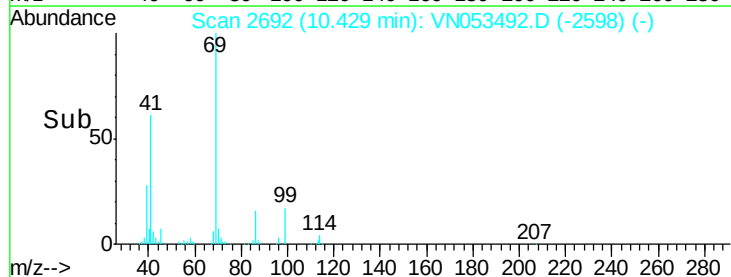
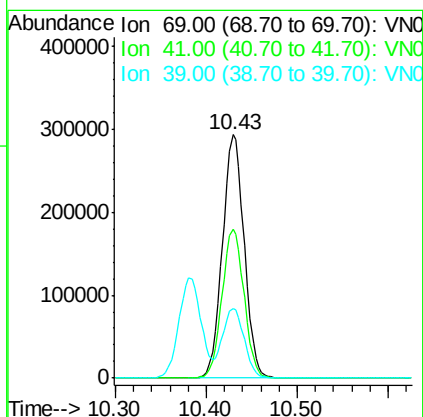
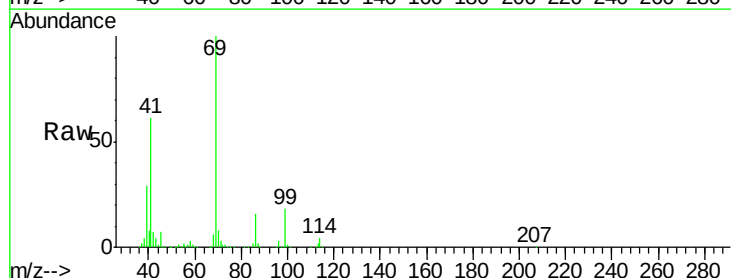
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

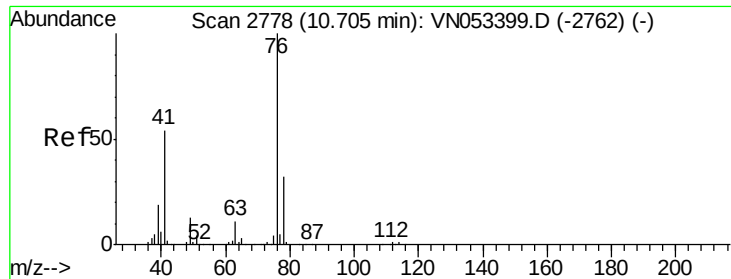
Tot Ion:	97	Resp:	359092
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.1	105.1
85	54.6	45.4	68.0
99	61.8	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 51.767 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

Tgt Ion:	69	Resp:	488404
Ion	Ratio	Lower	Upper
69	100		
41	61.2	49.4	74.0
39	28.9	23.3	34.9





#57

1,3-Dichloropropane

Concen: 52.539 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

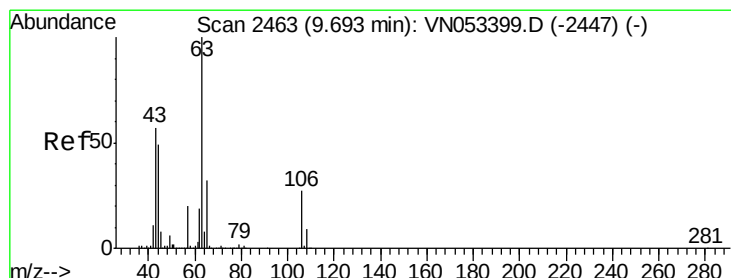
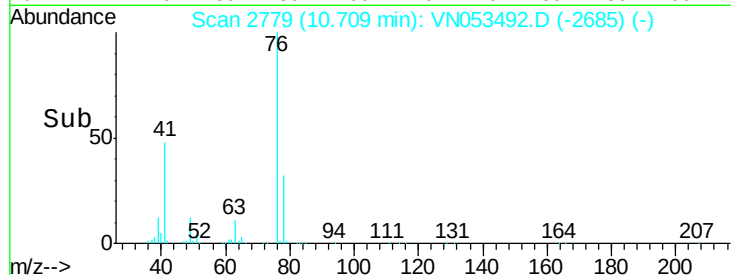
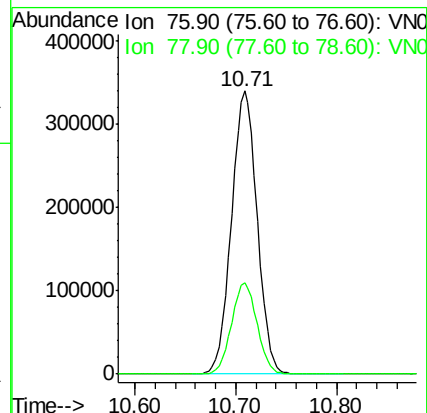
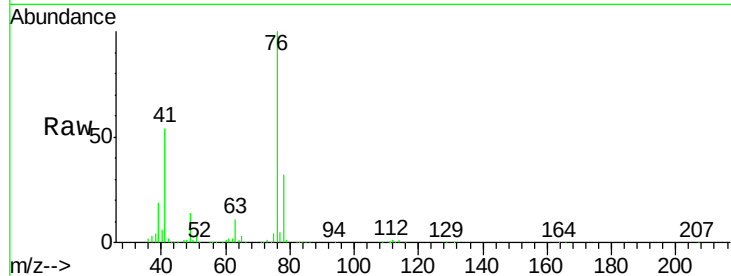
VSTDCCC050EC

Tot Ion: 76 Resp: 603334

Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 273.912 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053492.D

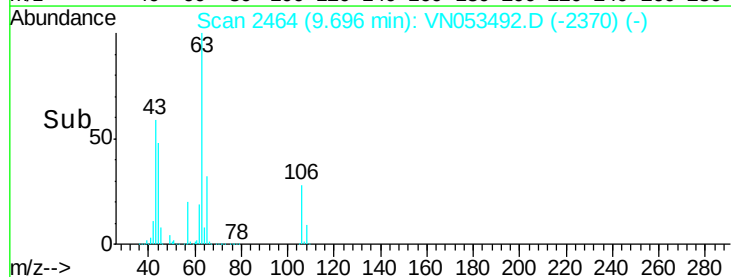
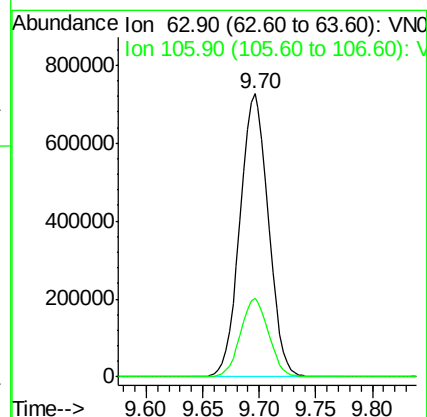
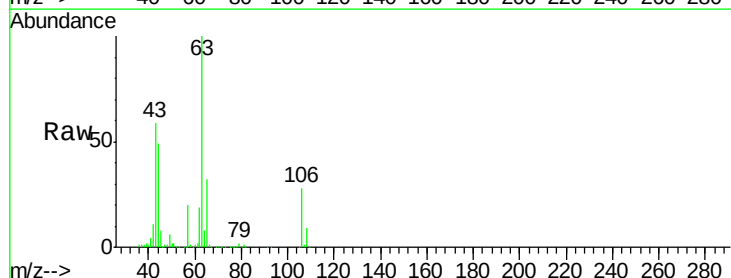
Acq: 19 Jan 2019 00:12

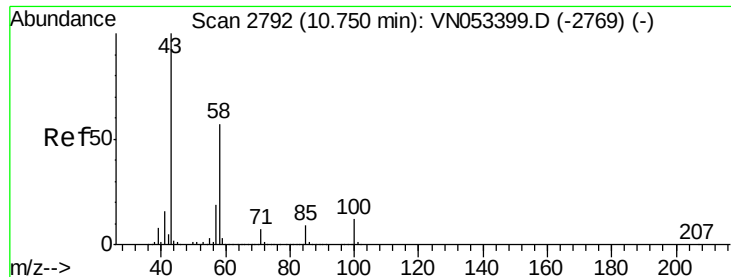
Tgt Ion: 63 Resp: 1272062

Ion Ratio Lower Upper

63 100

106 27.5 21.5 32.3

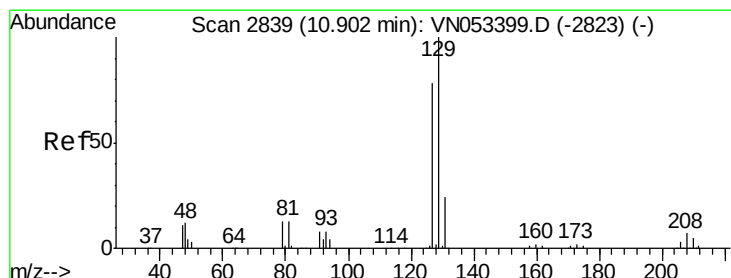
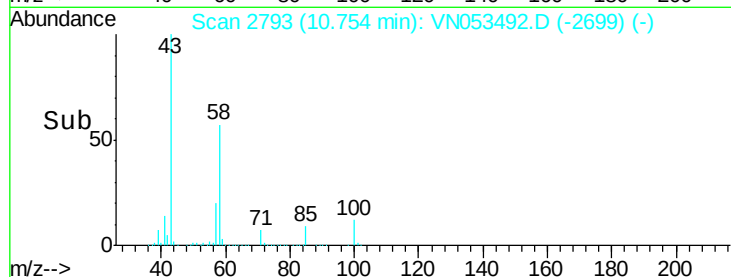
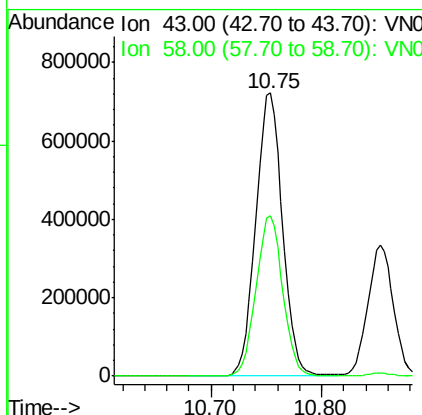
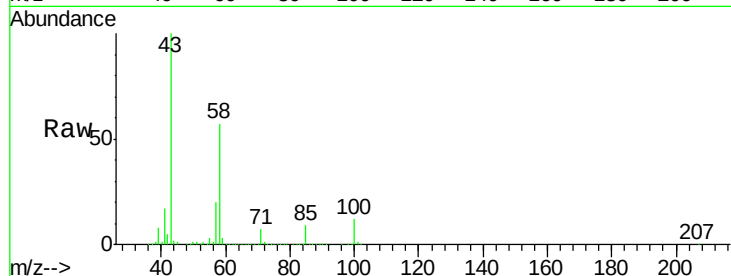




#59
2-Hexanone
Concen: 299.432 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

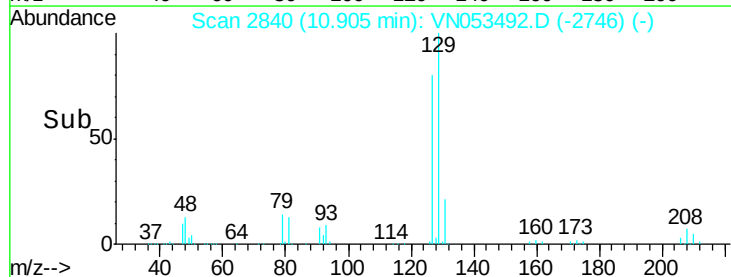
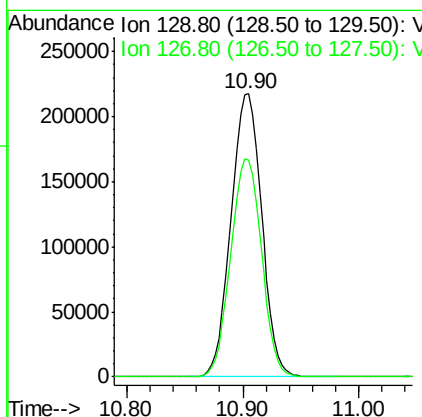
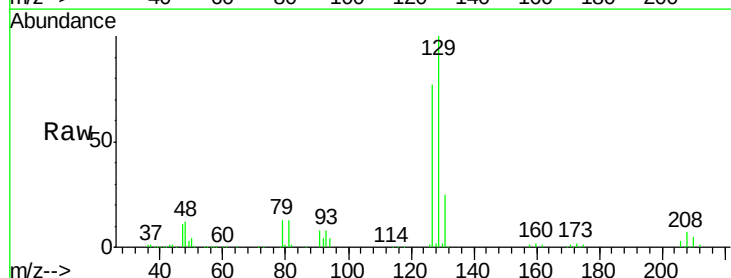
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

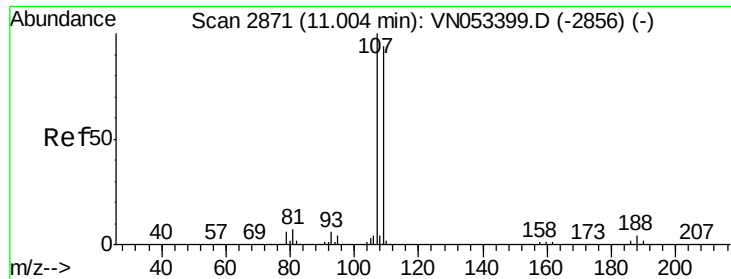
Tot Ion: 43 Resp: 1211530
Ion Ratio Lower Upper
43 100
58 56.7 28.6 85.8



#60
Dibromochloromethane
Concen: 52.990 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Tgt Ion: 129 Resp: 398972
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

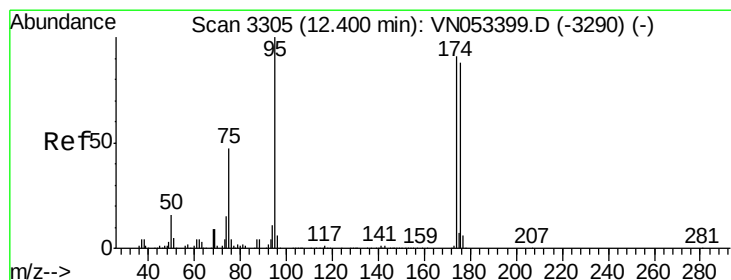
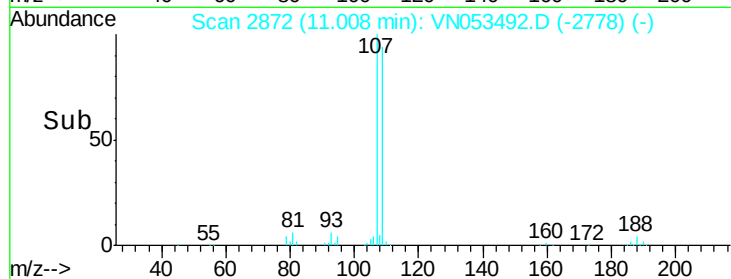
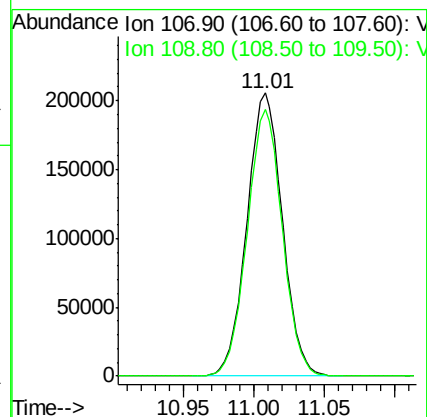
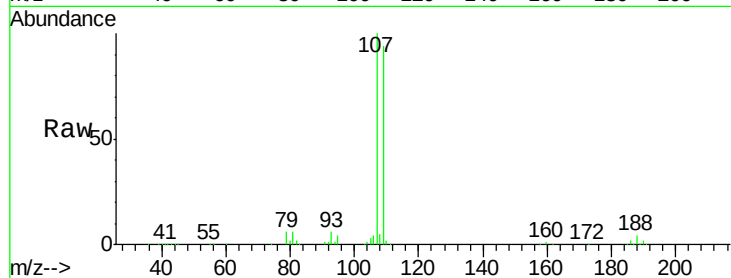




#61
 1,2-Dibromoethane
 Concen: 53.934 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

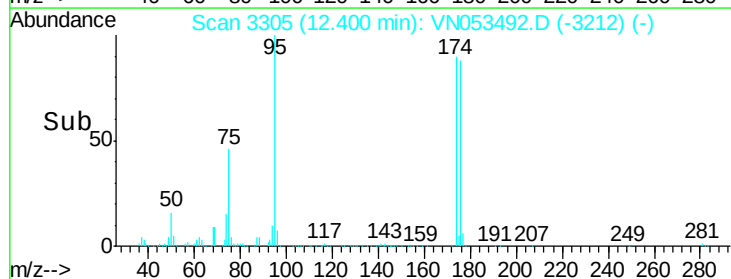
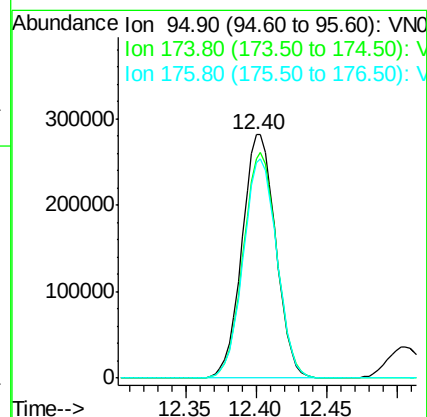
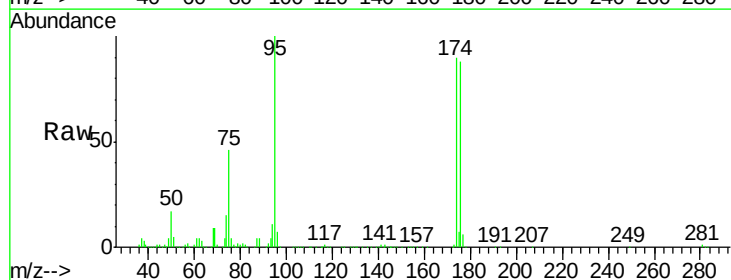
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

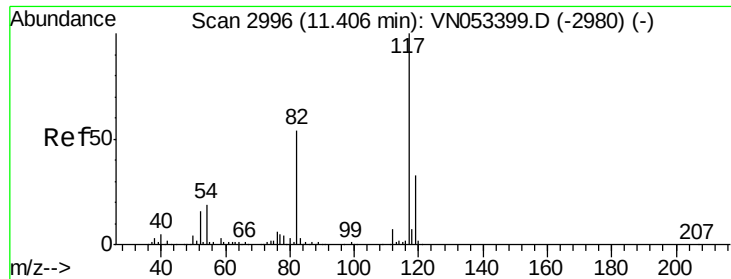
Tot Ion:107 Resp: 362092
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 53.934 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

Tgt Ion: 95 Resp: 471494
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 183.2
 176 90.2 0.0 177.4

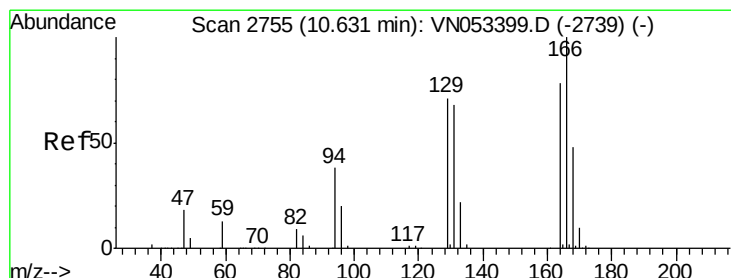
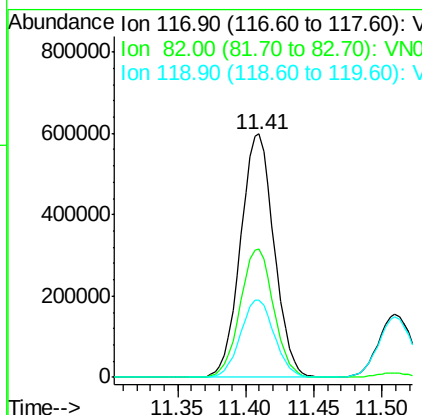
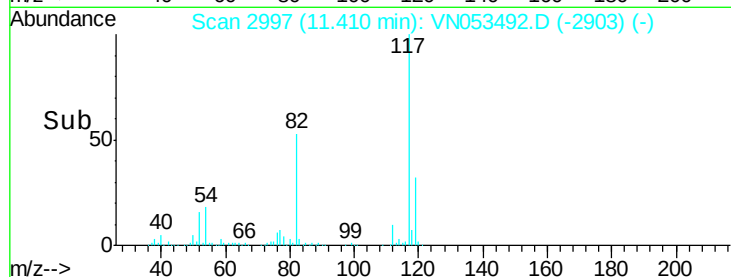
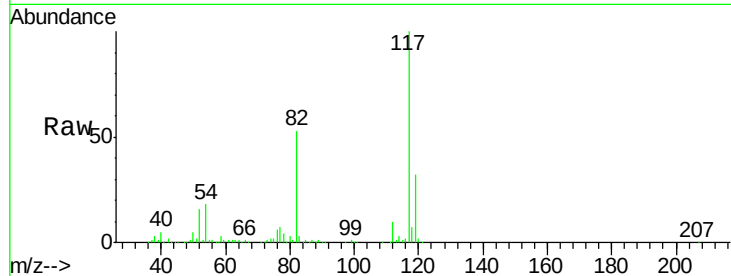




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

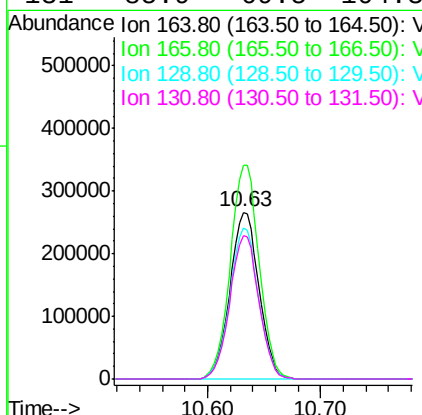
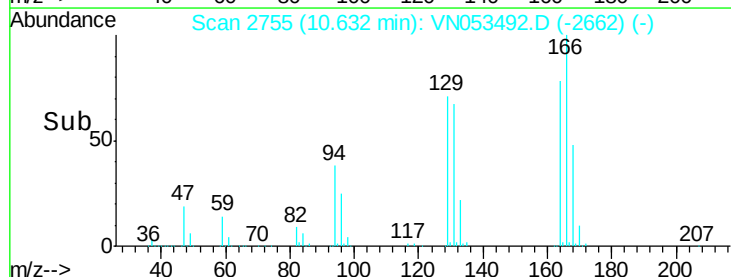
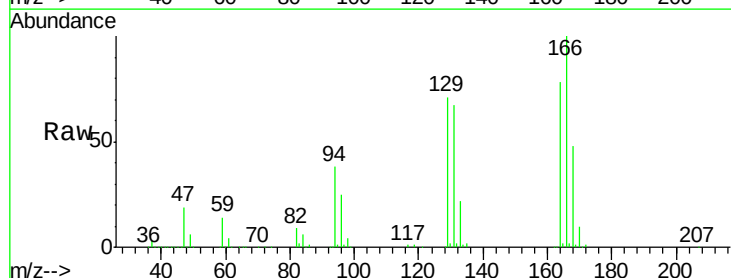
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

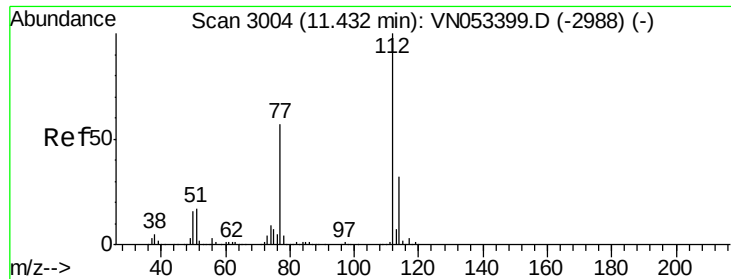
Tot Ion:117 Resp: 1020476
Ion Ratio Lower Upper
117 100
82 52.5 42.9 64.3
119 31.8 26.0 39.0



#64
Tetrachloroethene
Concen: 49.286 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Tgt Ion:164 Resp: 473973
Ion Ratio Lower Upper
164 100
166 128.0 102.2 153.4
129 90.6 72.6 109.0
131 85.9 69.5 104.3

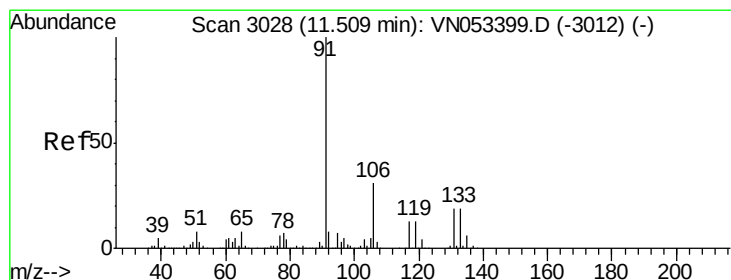
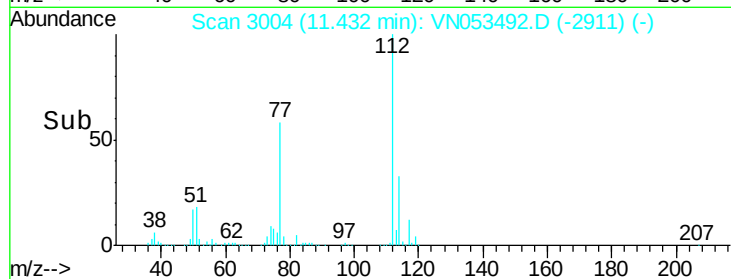
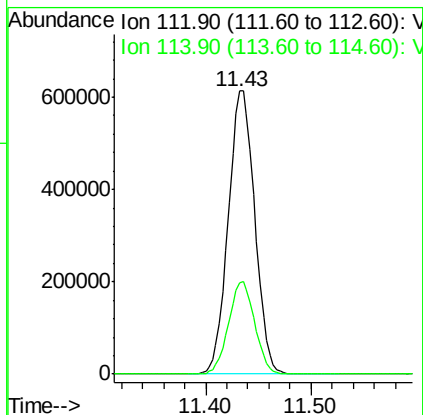
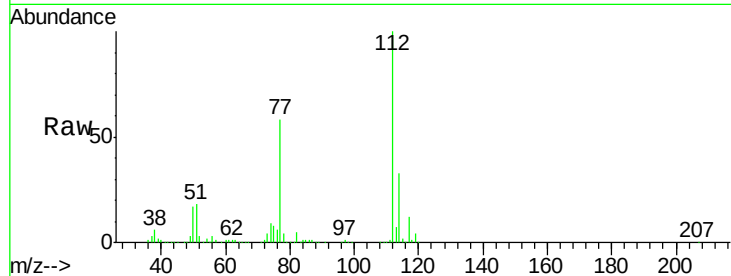




#65
Chlorobenzene
Concen: 49.337 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

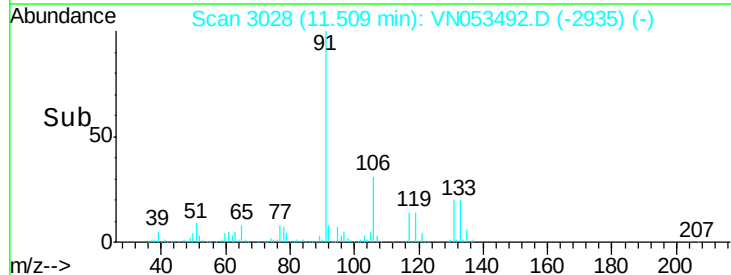
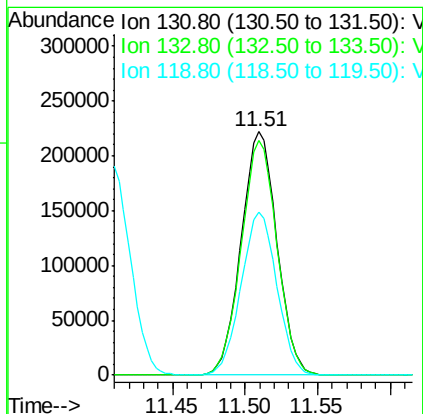
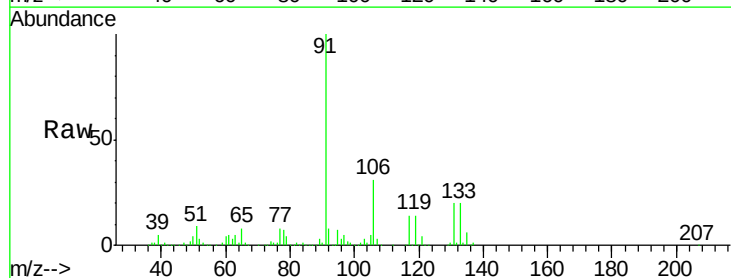
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

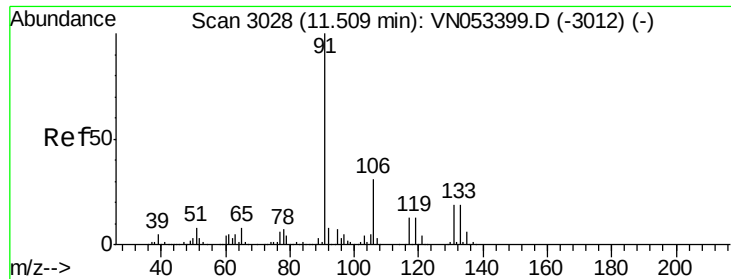
Tot Ion:112 Resp: 1065687
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.718 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Tgt Ion:131 Resp: 381115
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 66.9 33.5 100.5

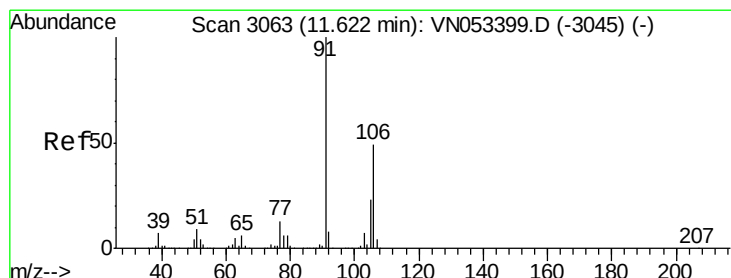
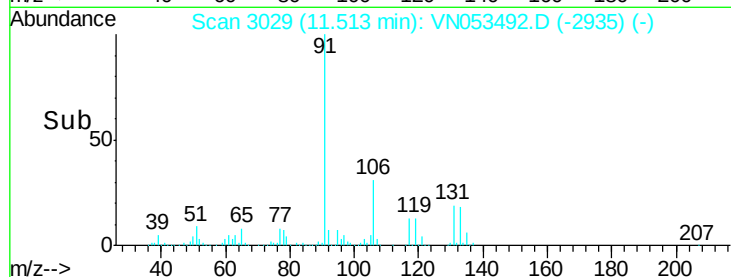
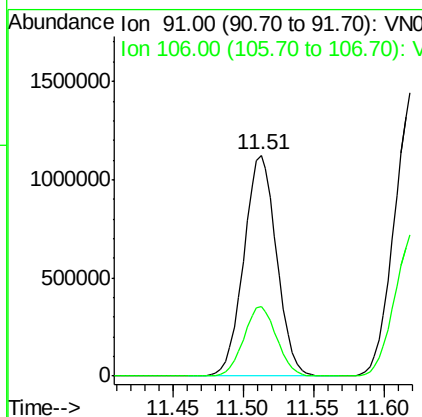
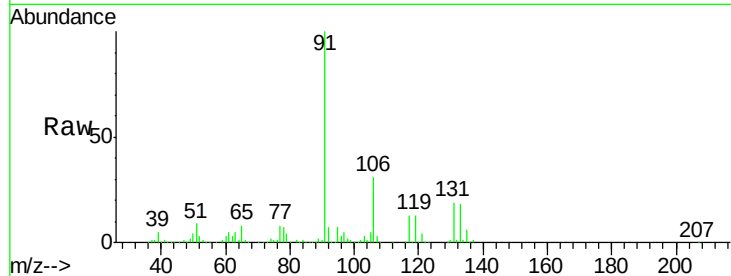




#67
Ethyl Benzene
Concen: 49.700 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

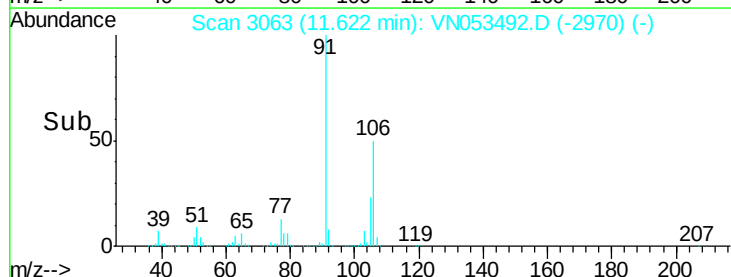
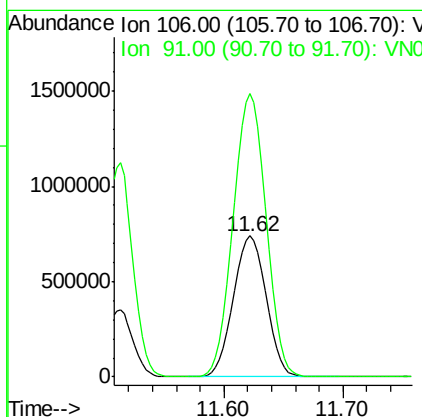
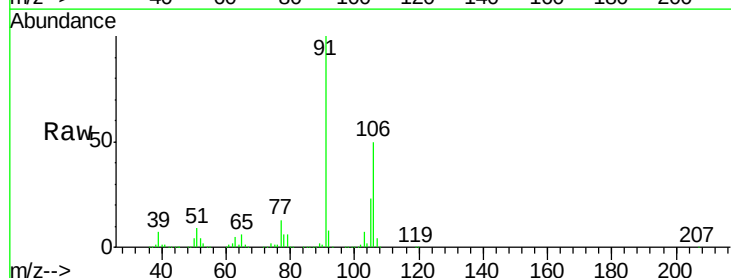
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

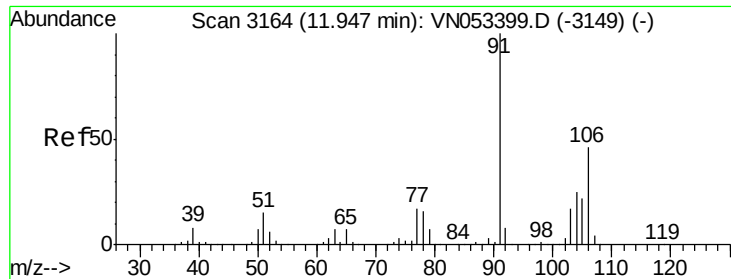
Tot Ion: 91 Resp: 1829561
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 101.901 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Tgt Ion: 106 Resp: 1416269
Ion Ratio Lower Upper
106 100
91 200.7 161.4 242.2

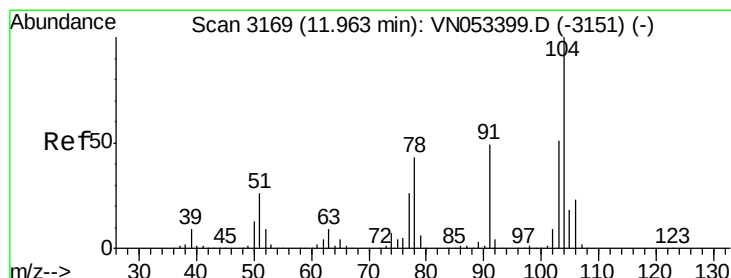
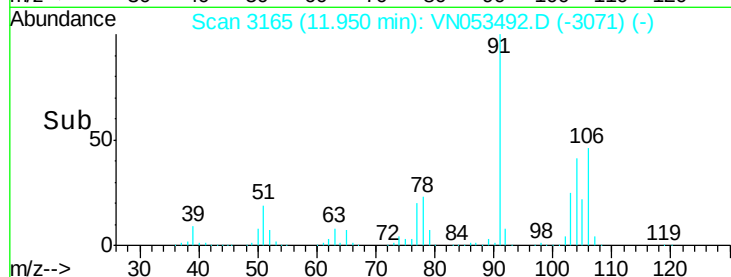
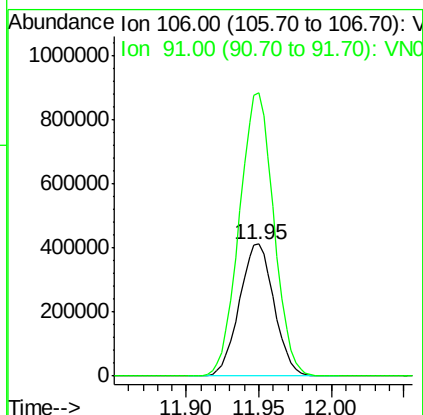
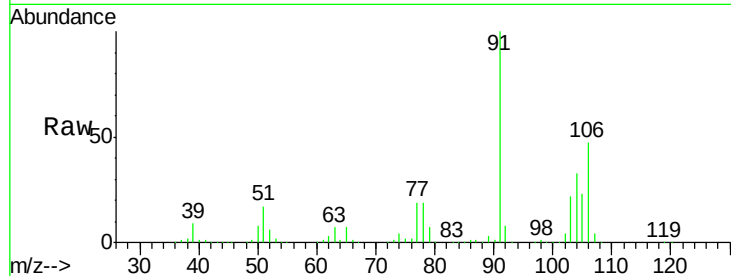




#69
o-Xylene
Concen: 50.883 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

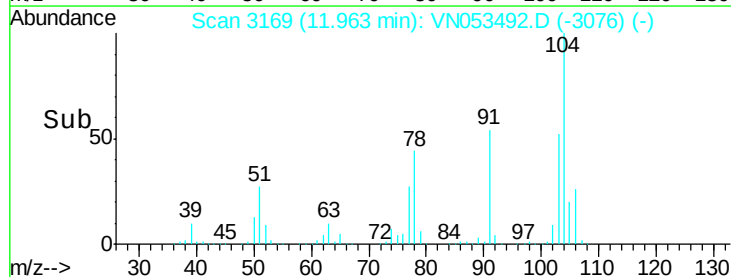
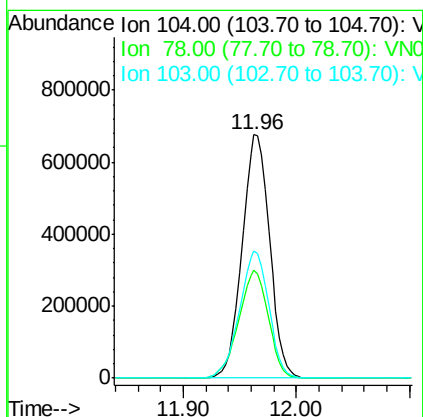
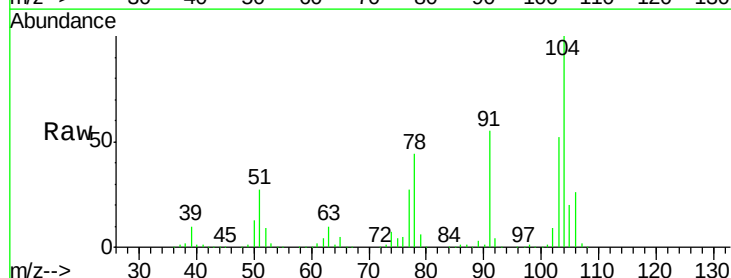
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

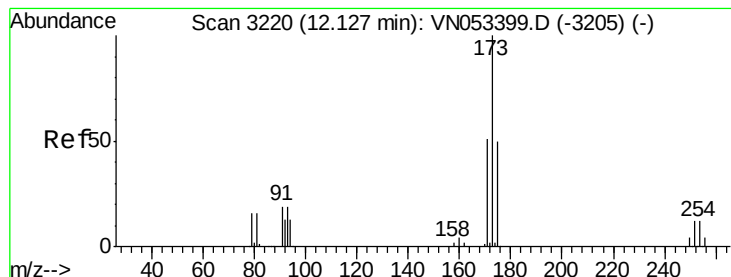
Tot Ion:106 Resp: 687176
Ion Ratio Lower Upper
106 100
91 212.6 106.9 320.8



#70
Styrene
Concen: 52.296 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053492.D
Acq: 19 Jan 2019 00:12

Tgt Ion:104 Resp: 1146253
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.6 44.4 66.6





#71

Bromoform

Concen: 55.562 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

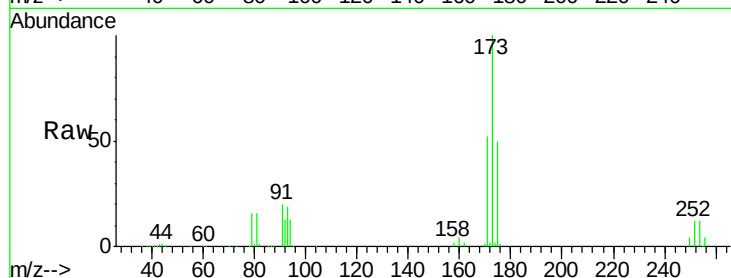
Tot Ion:173 Resp: 287435

Ion Ratio Lower Upper

173 100

175 49.0 24.6 74.0

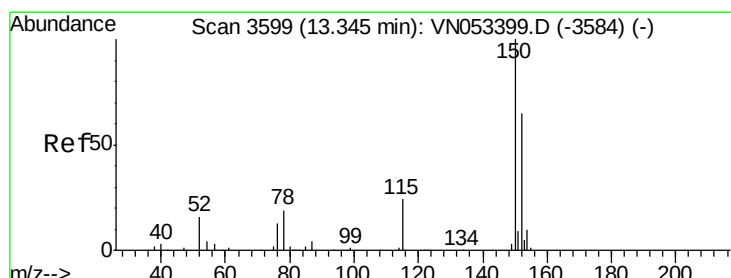
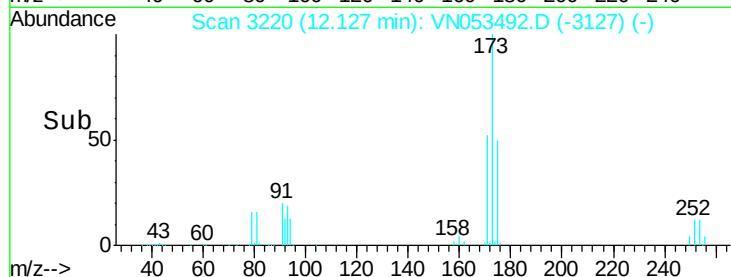
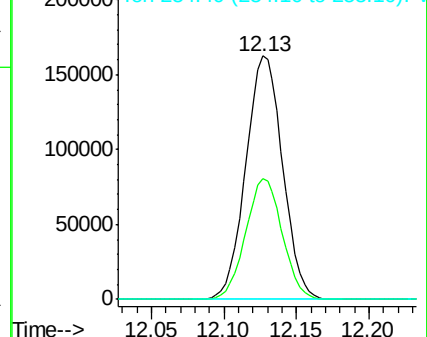
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

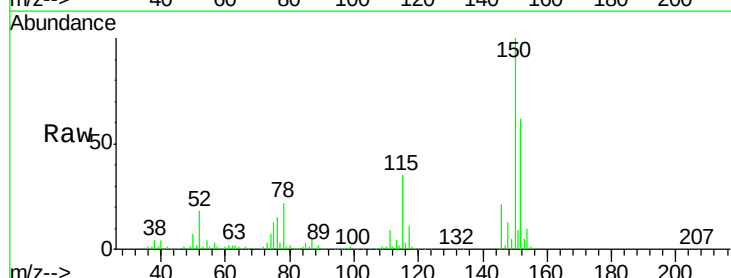
Tgt Ion:152 Resp: 514016

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.4

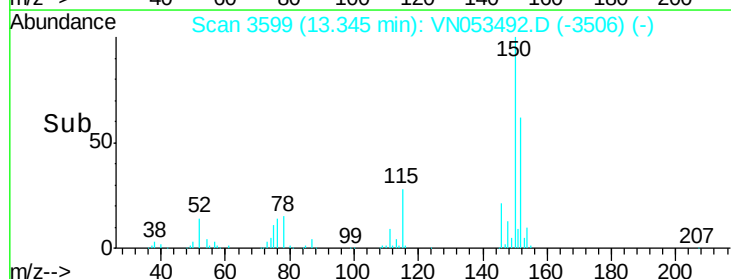
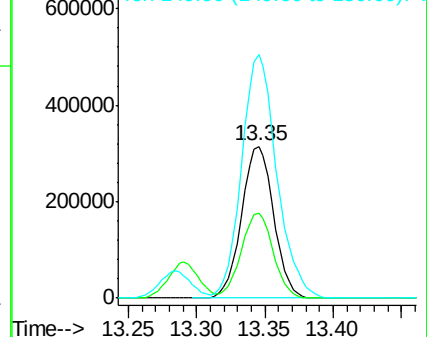
150 175.4 0.0 349.0

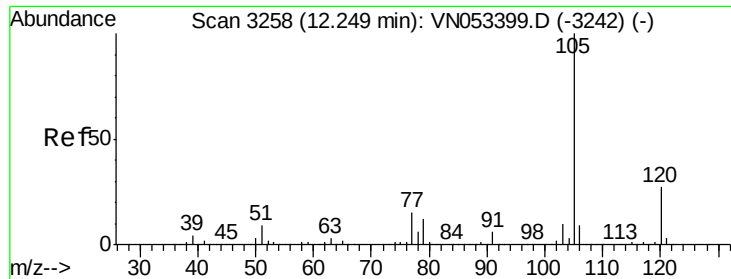


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.749 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

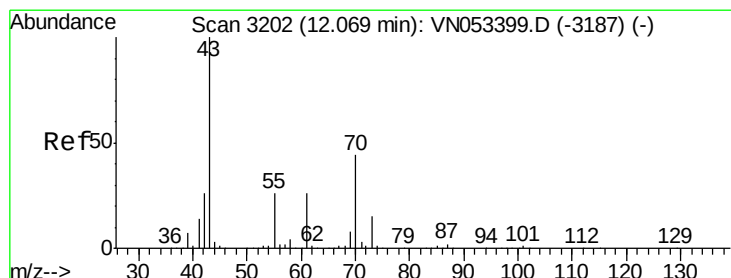
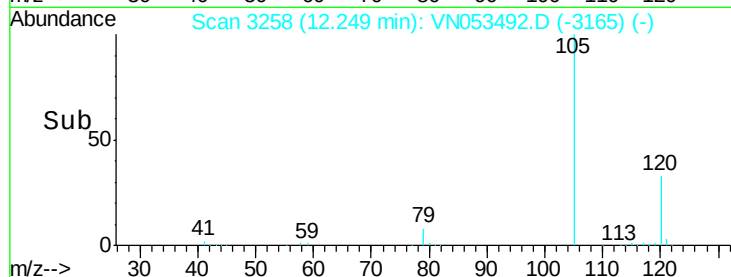
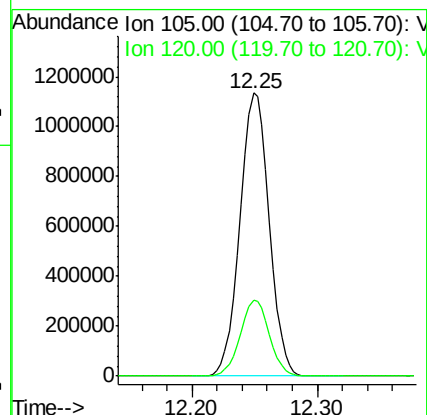
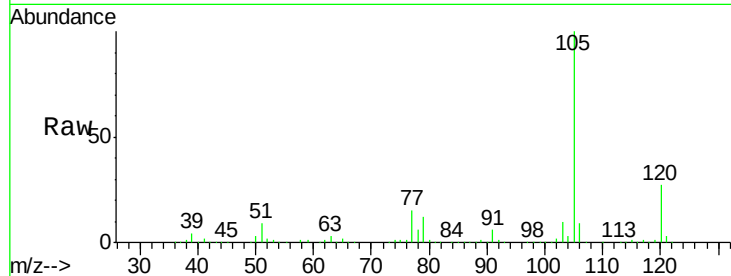
VSTDCCC050EC

Tot Ion:105 Resp: 1835010

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.7



#74

N-ethyl acetate

Concen: 56.886 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Tgt Ion: 43 Resp: 570814

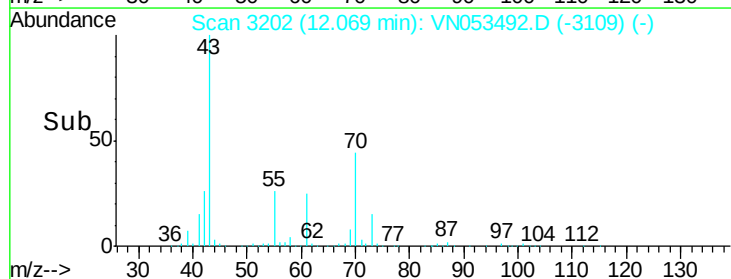
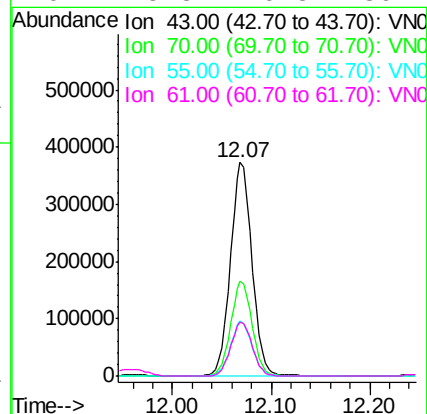
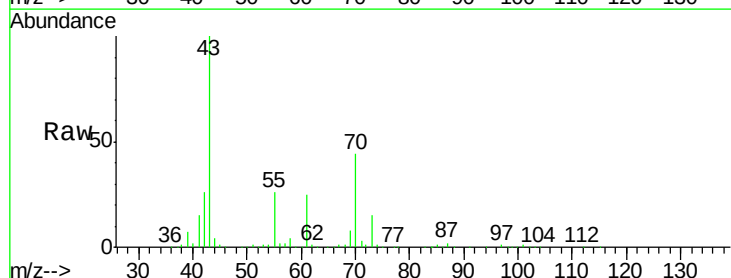
Ion Ratio Lower Upper

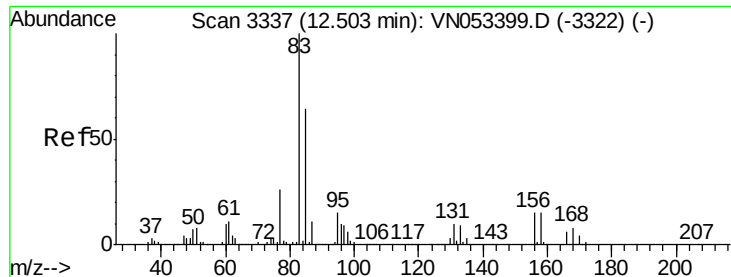
43 100

70 44.3 35.4 53.2

55 25.8 20.9 31.3

61 25.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.537 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

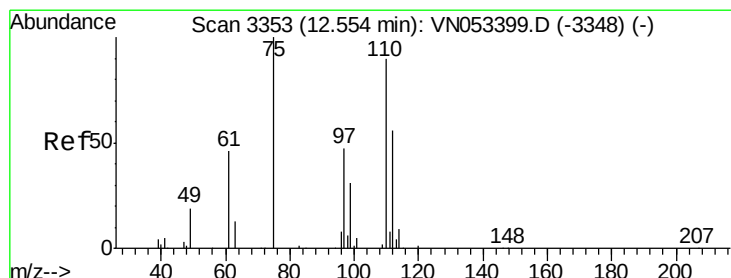
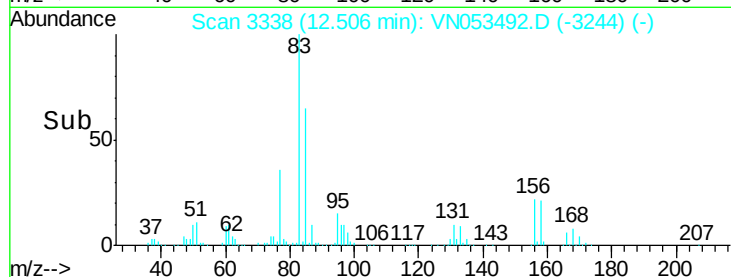
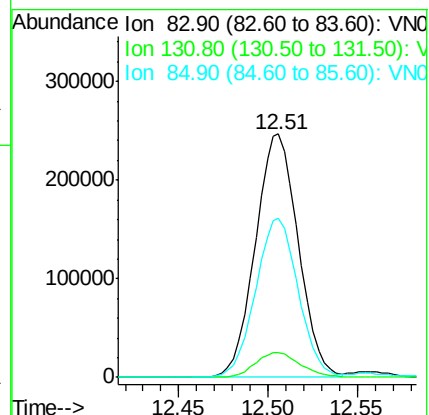
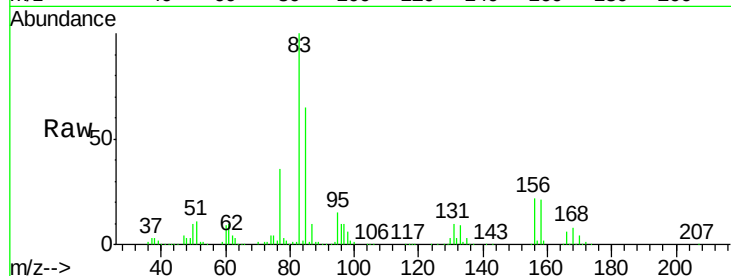
Tot Ion: 83 Resp: 414750

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

85 64.9 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 83.760 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053492.D

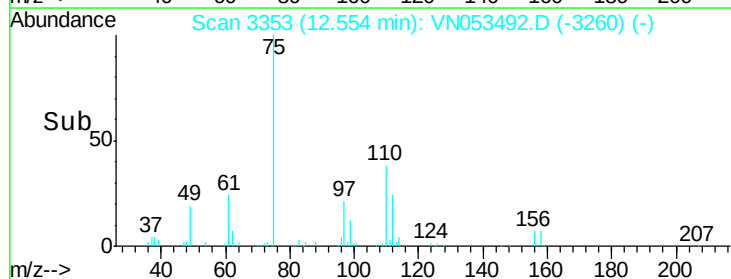
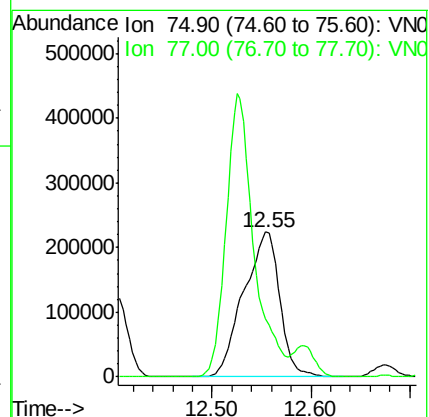
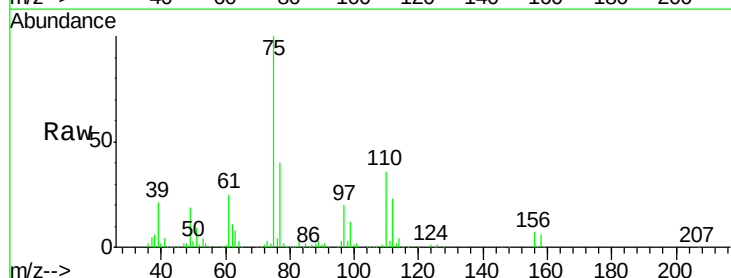
Acq: 19 Jan 2019 00:12

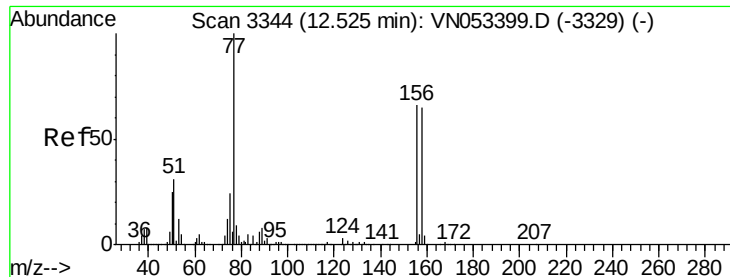
Tgt Ion: 75 Resp: 567369

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.184 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

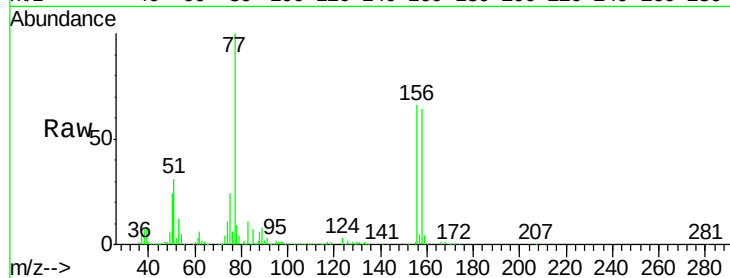
Tot Ion:156 Resp: 487841

Ion Ratio Lower Upper

156 100

77 177.5 87.9 263.8

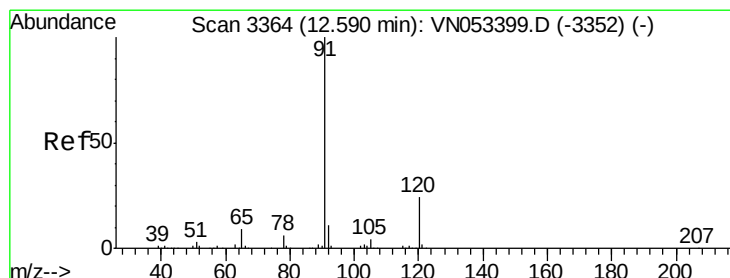
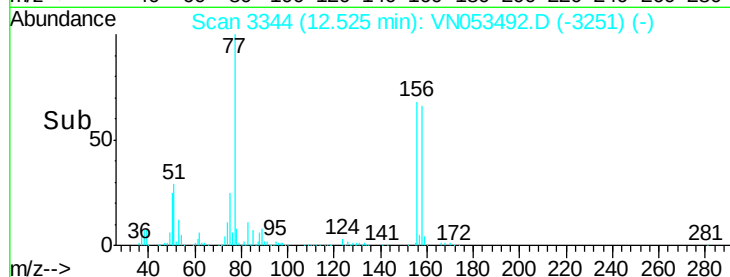
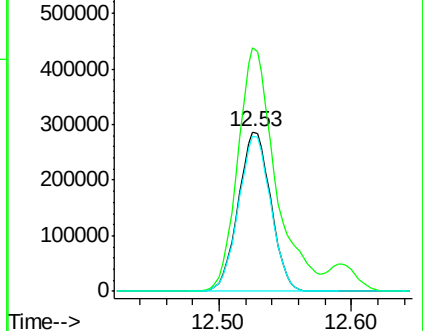
158 96.8 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.237 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053492.D

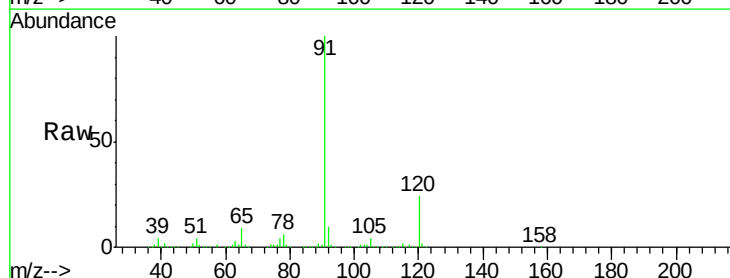
Acq: 19 Jan 2019 00:12

Tgt Ion: 91 Resp: 2127424

Ion Ratio Lower Upper

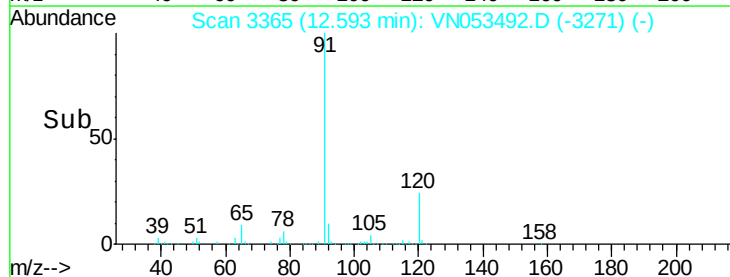
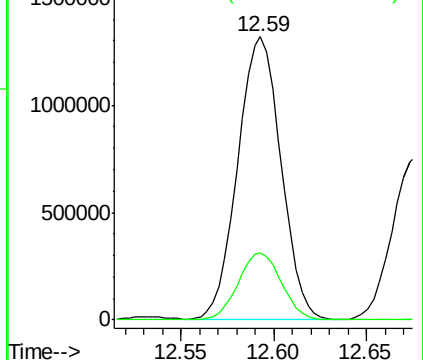
91 100

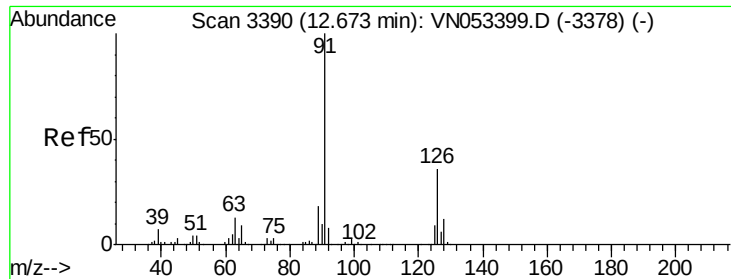
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.462 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

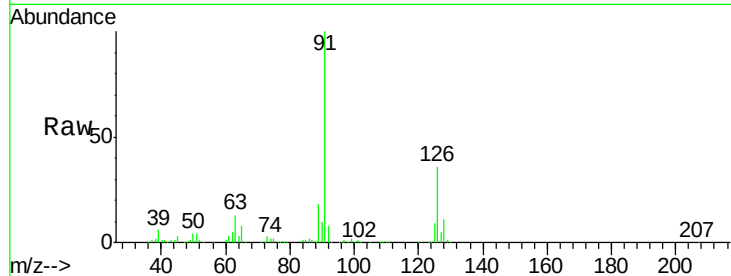
VSTDCCC050EC

Tot Ion: 91 Resp: 1241175

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053399.D (-3378) (-)

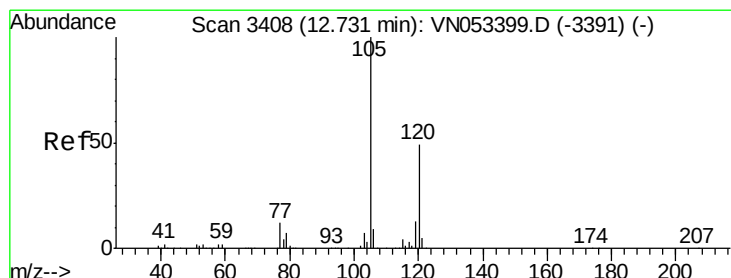
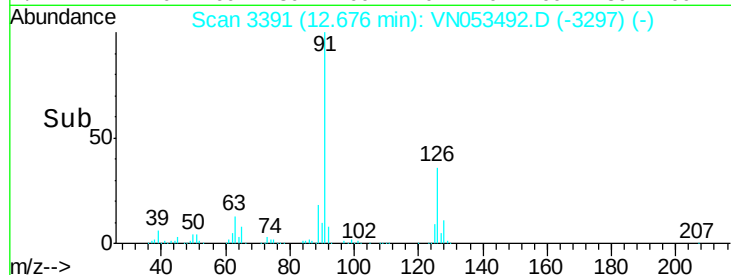
12.68

1000000

500000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.833 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053492.D

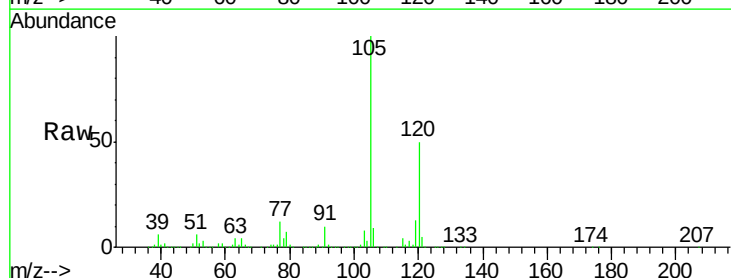
Acq: 19 Jan 2019 00:12

Tgt Ion:105 Resp: 1526197

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN053399.D (-3391) (-)

12.73

1000000

800000

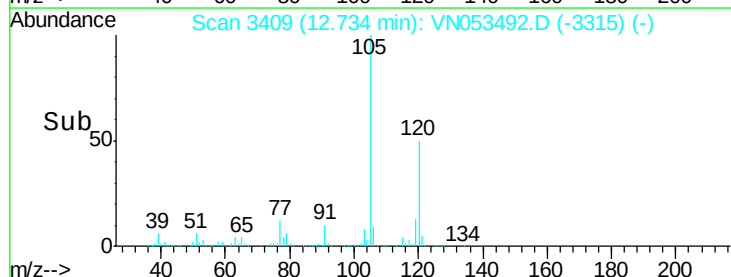
600000

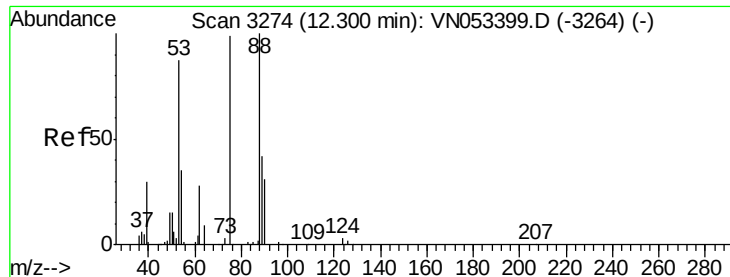
400000

200000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.662 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

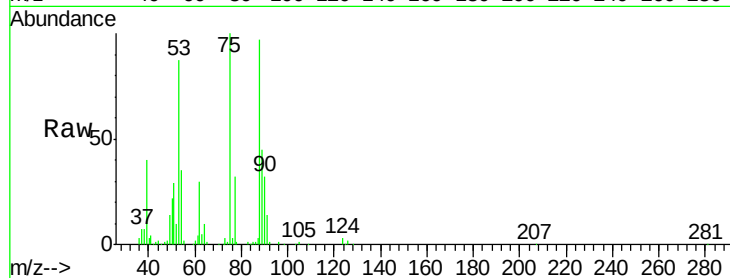
Tot Ion: 75 Resp: 127237

Ion Ratio Lower Upper

75 100

53 88.3 69.8 104.6

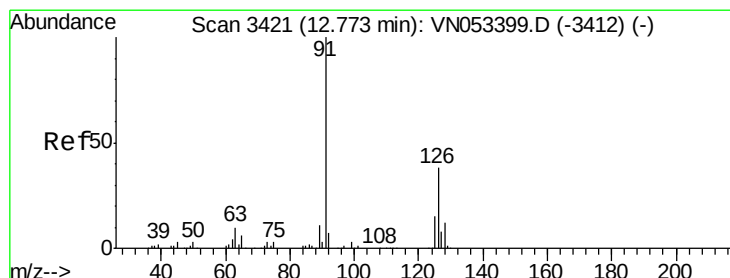
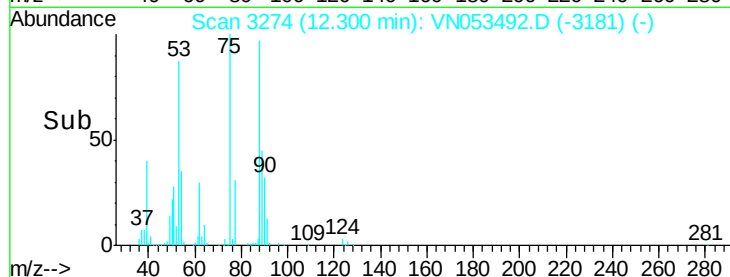
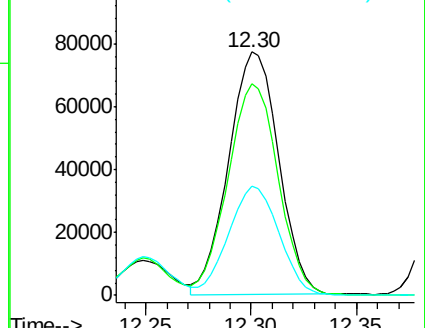
89 45.2 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.047 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053492.D

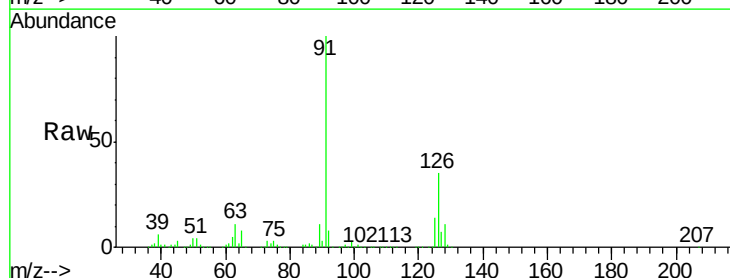
Acq: 19 Jan 2019 00:12

Tgt Ion: 91 Resp: 1281012

Ion Ratio Lower Upper

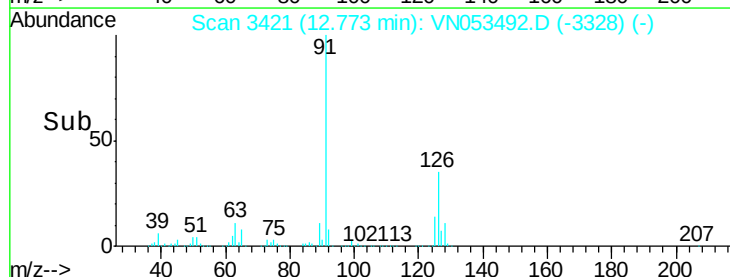
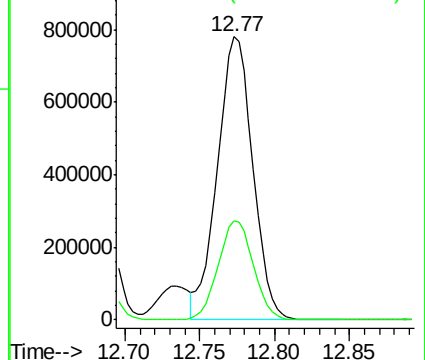
91 100

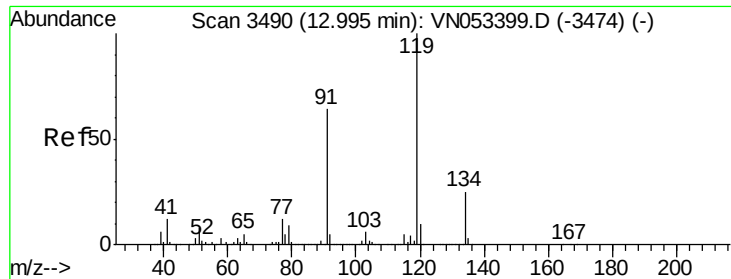
126 34.9 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

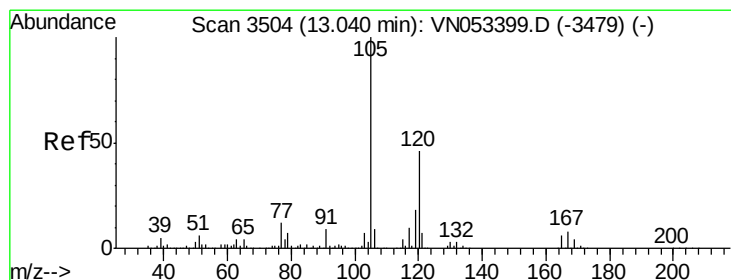
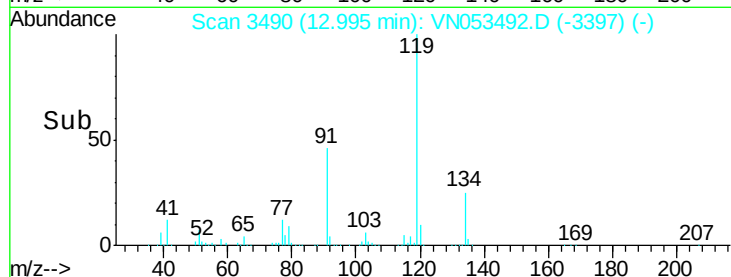
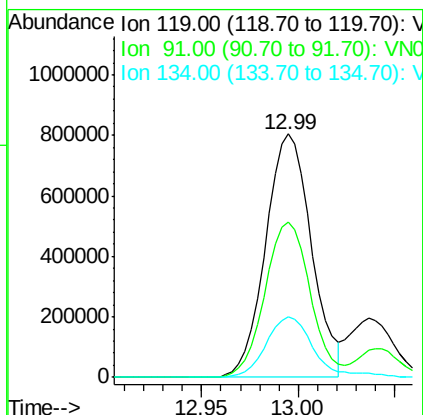
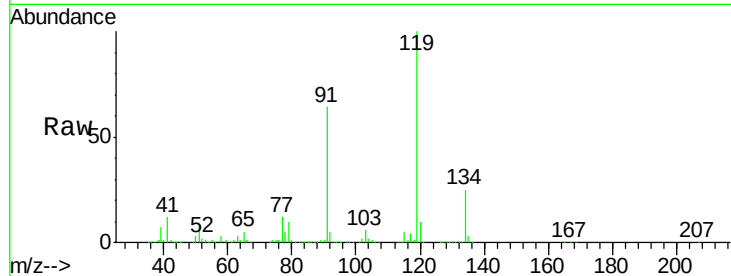




#83
 tert-Butylbenzene
 Concen: 48.970 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

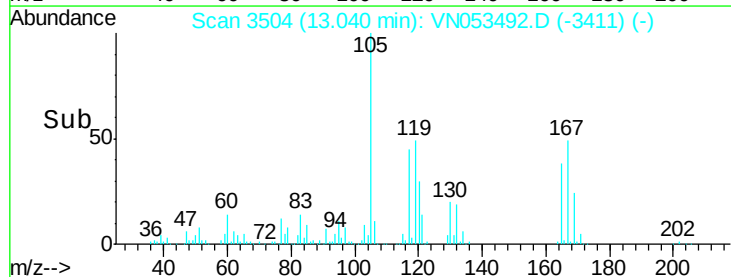
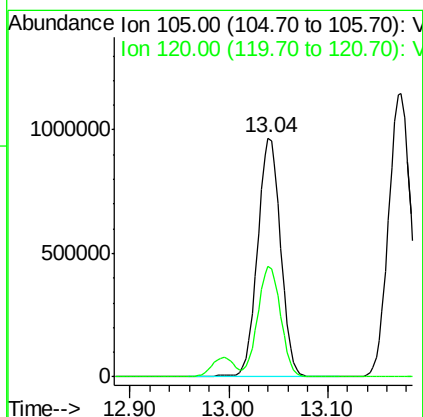
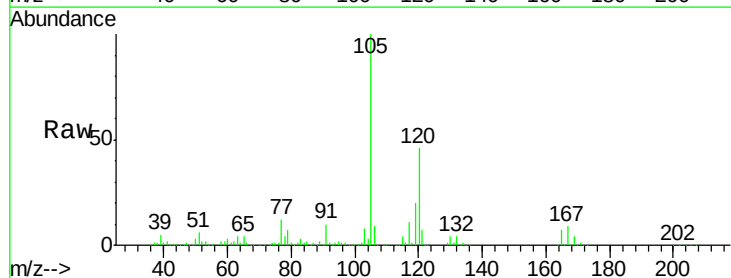
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

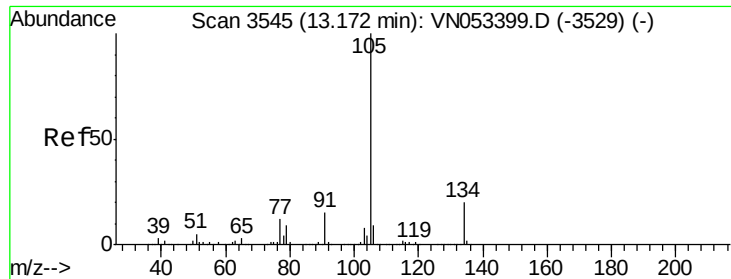
Tot Ion:119 Resp: 1324644
 Ion Ratio Lower Upper
 119 100
 91 63.2 31.3 93.8
 134 26.0 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 50.266 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

Tgt Ion:105 Resp: 1552233
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 49.019 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

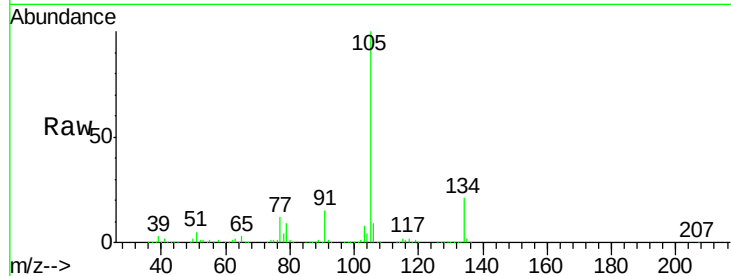
VSTDCCC050EC

Tot Ion:105 Resp: 1818478

Ion Ratio Lower Upper

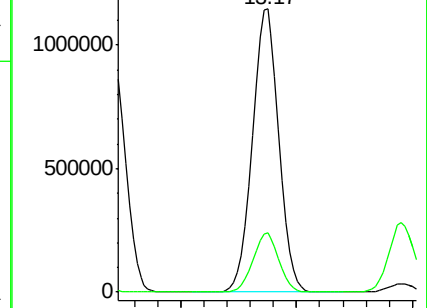
105 100

134 20.5 10.2 30.6

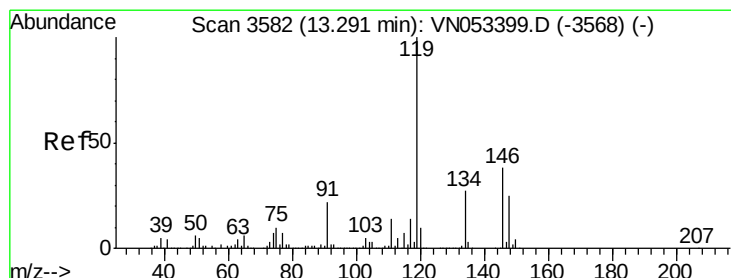
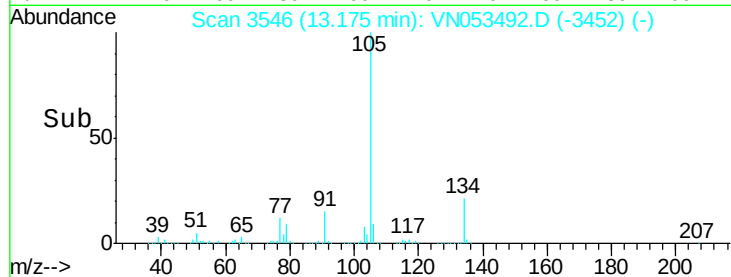


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 50.105 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

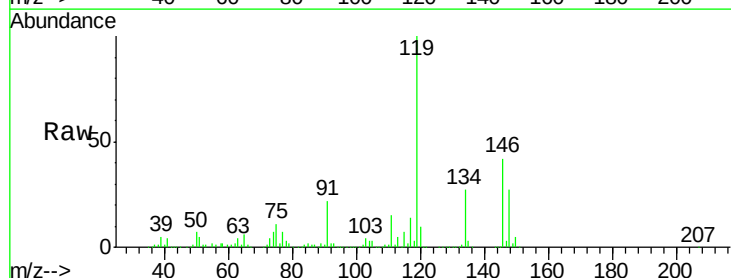
Tgt Ion:119 Resp: 1613955

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

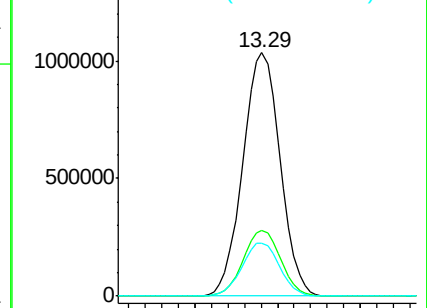
91 22.0 11.0 33.0



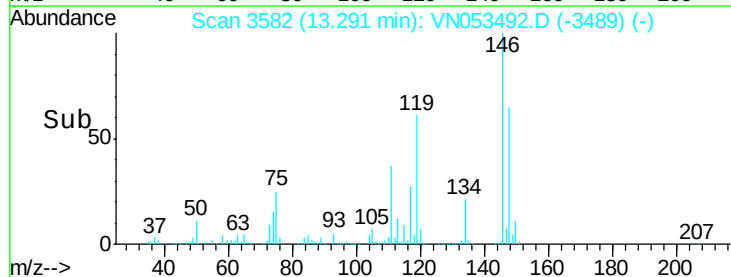
Abundance Ion 119.00 (118.70 to 119.70): V

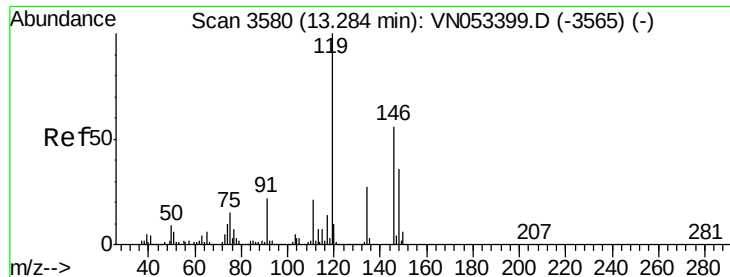
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->

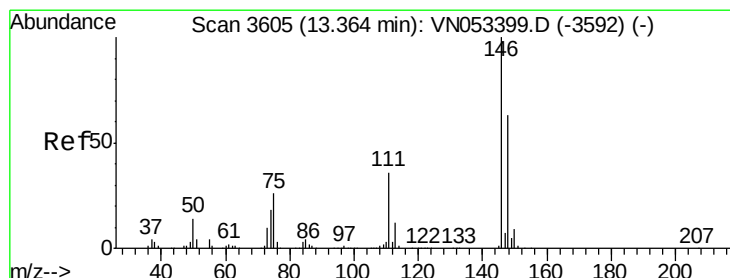
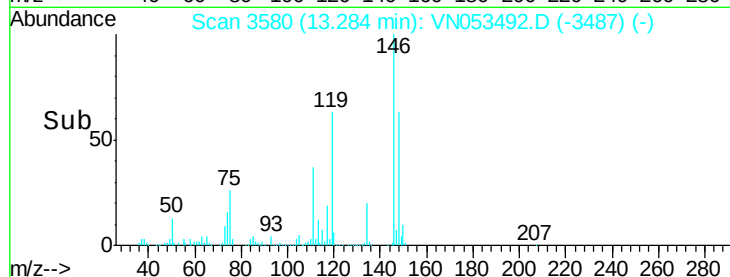
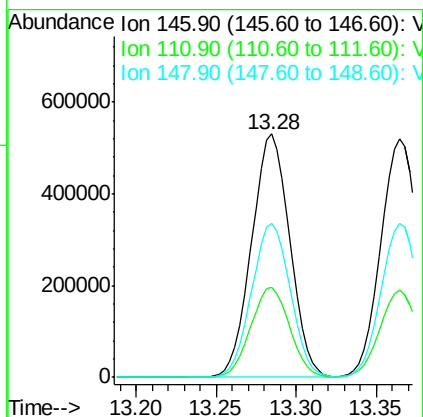
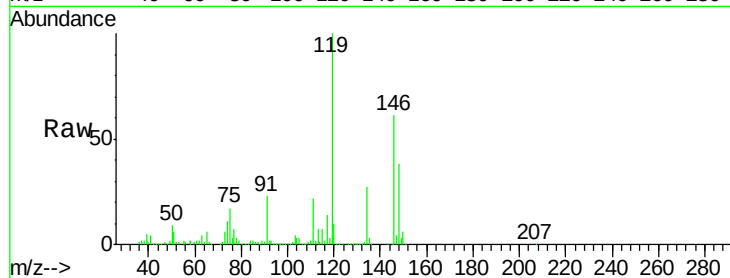




#87
 1,3-Dichlorobenzene
 Concen: 49.930 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

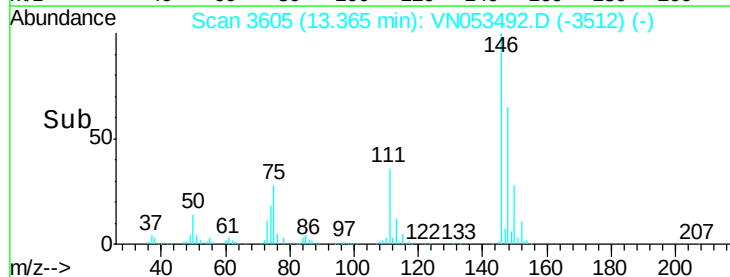
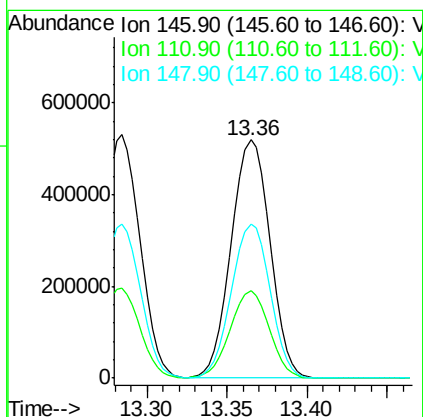
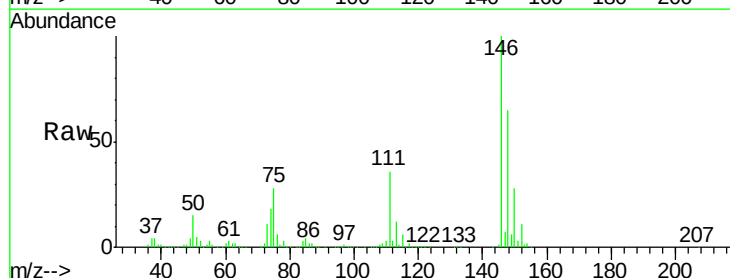
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

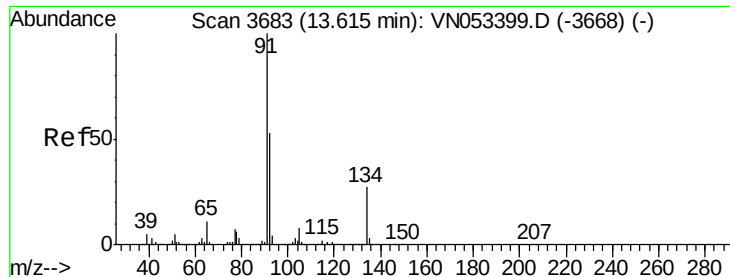
Tot Ion:146 Resp: 871143
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.3
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.132 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

Tgt Ion:146 Resp: 859871
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 55.8
 148 64.5 32.4 97.0





#89

n-Butylbenzene

Concen: 49.609 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

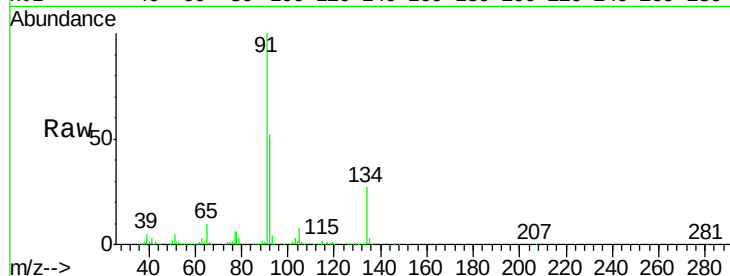
Tot Ion: 91 Resp: 1362121

Ion Ratio Lower Upper

91 100

92 52.1 26.3 78.8

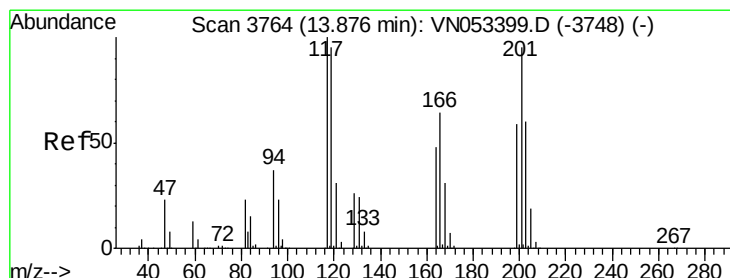
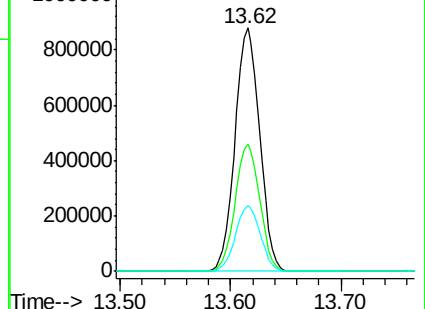
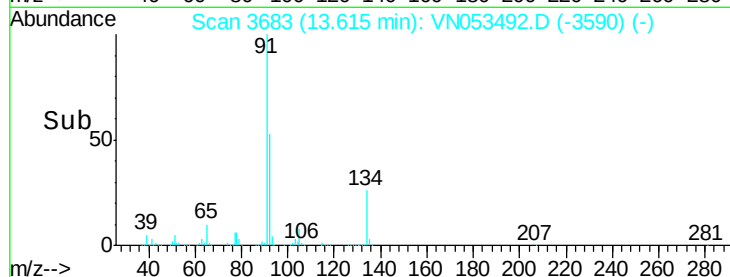
134 27.1 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053399.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053399.D (-3668) (-)



#90

Hexachloroethane

Concen: 51.301 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053492.D

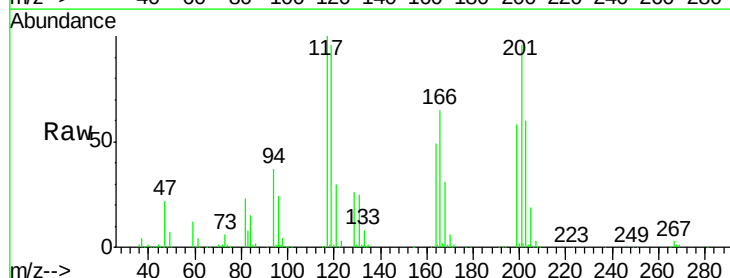
Acq: 19 Jan 2019 00:12

Tgt Ion: 117 Resp: 259161

Ion Ratio Lower Upper

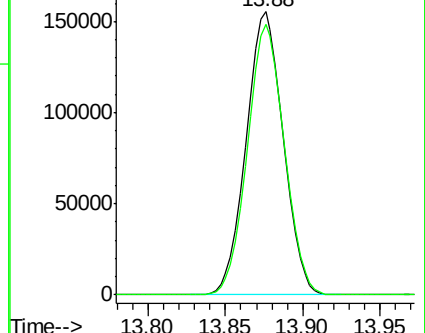
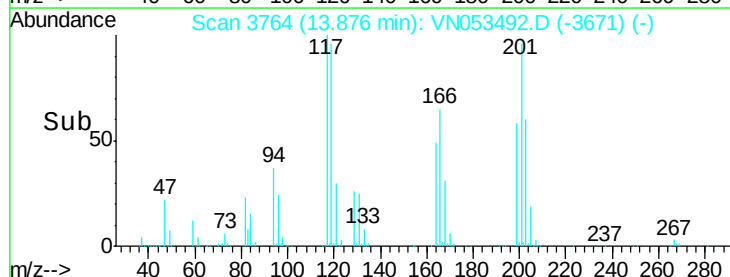
117 100

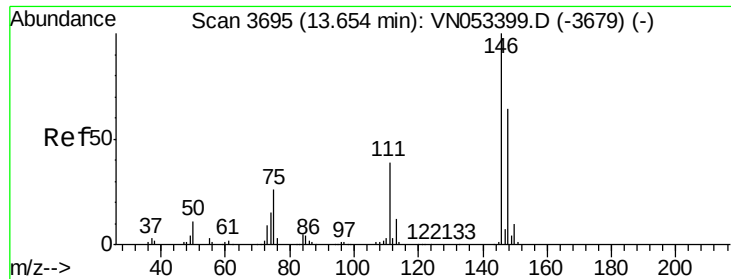
201 95.1 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053399.D (-3748) (-)

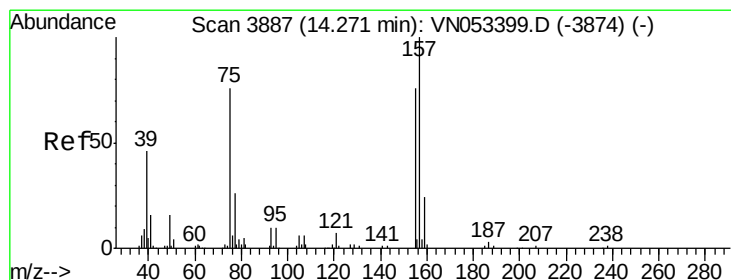
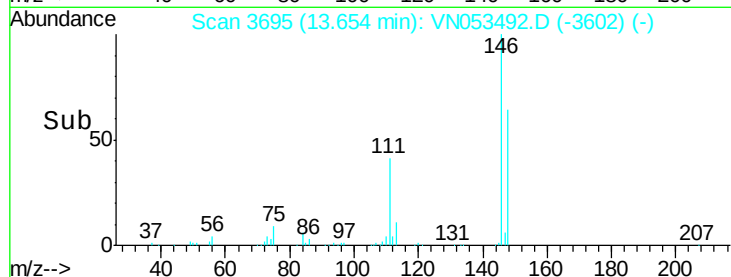
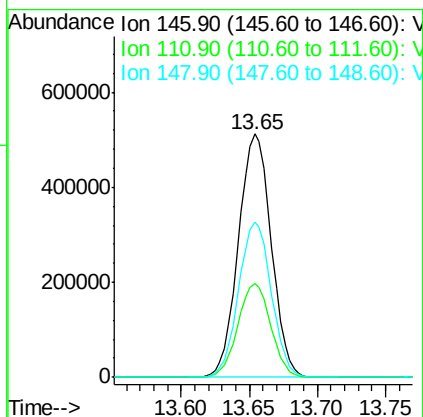
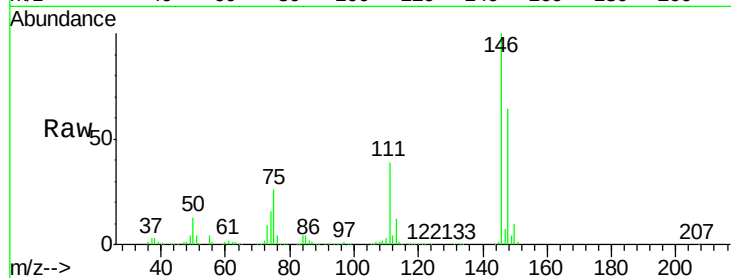




#91
 1,2-Dichlorobenzene
 Concen: 53.286 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

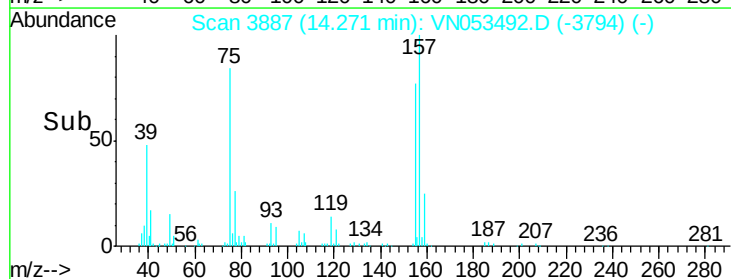
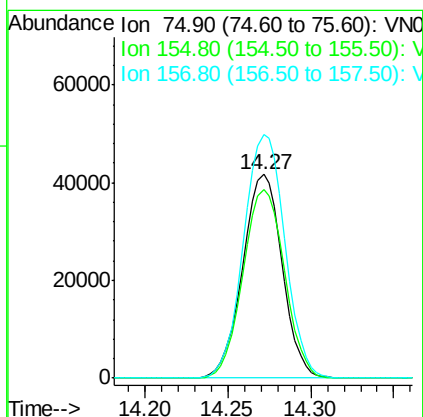
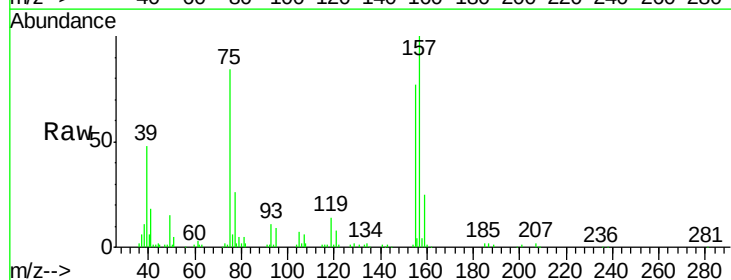
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

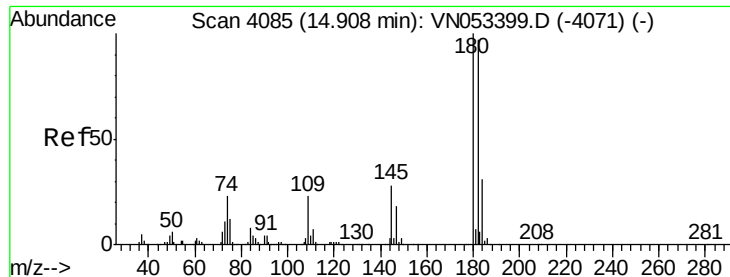
Tot Ion:146 Resp: 855331
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.5 58.5
 148 63.7 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 69.372 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

Tgt Ion: 75 Resp: 69441
 Ion Ratio Lower Upper
 75 100
 155 97.0 48.9 146.7
 157 125.0 63.7 191.3

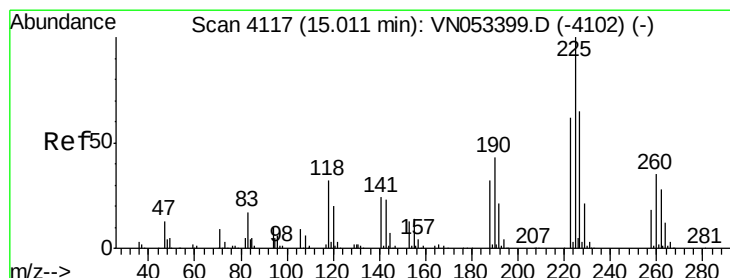
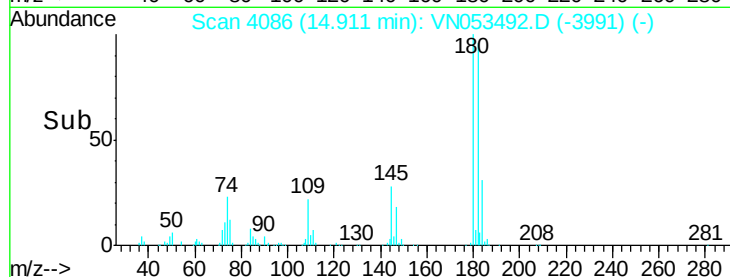
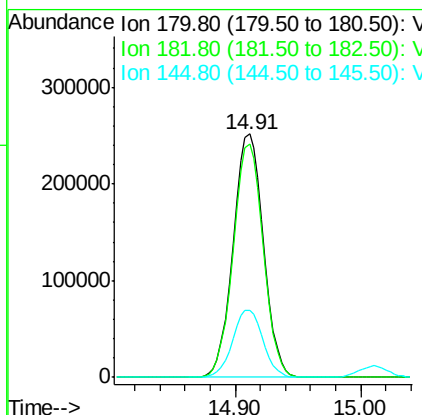
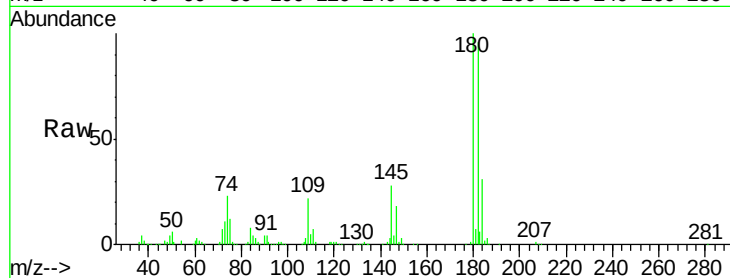




#93
 1,2,4-Trichlorobenzene
 Concen: 58.836 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

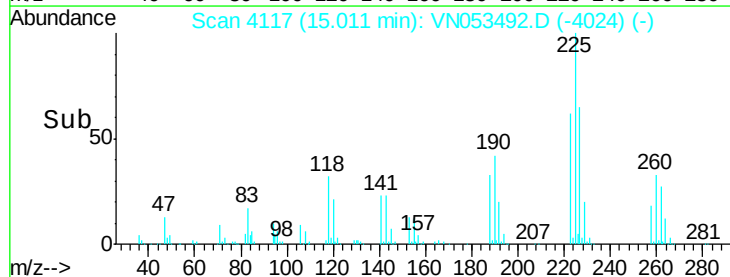
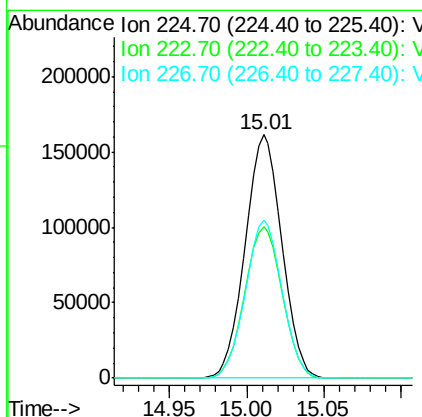
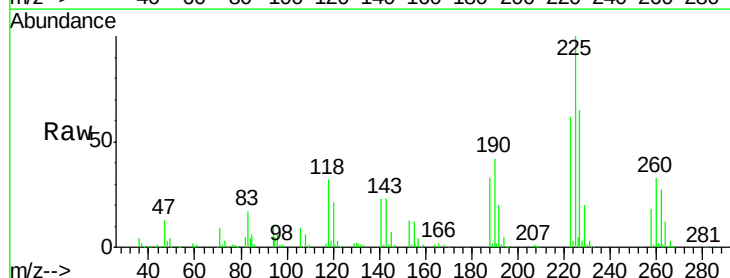
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

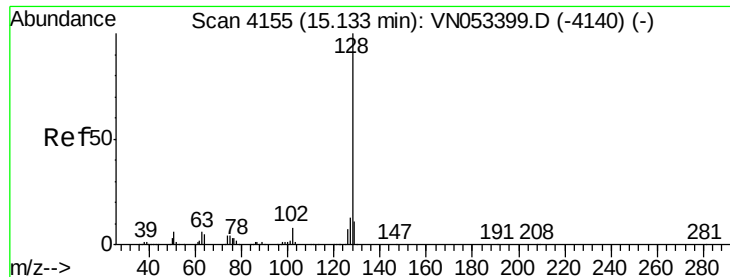
Tot Ion:180 Resp: 420365
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.1 144.3
 145 27.9 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 53.319 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053492.D
 Acq: 19 Jan 2019 00:12

Tgt Ion:225 Resp: 266980
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.1 93.2
 227 64.6 32.0 96.2





#95

Naphthalene

Concen: 62.933 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

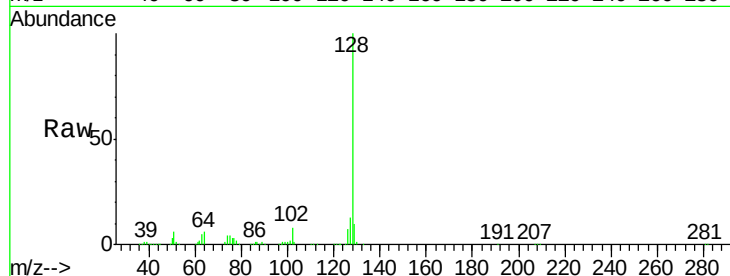
Tot Ion:128 Resp: 795751

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

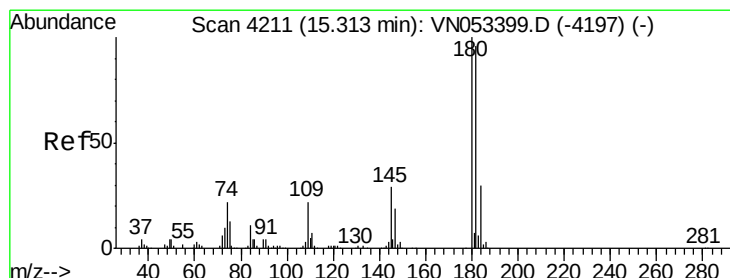
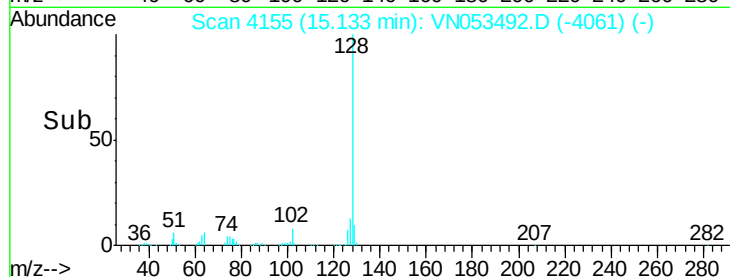
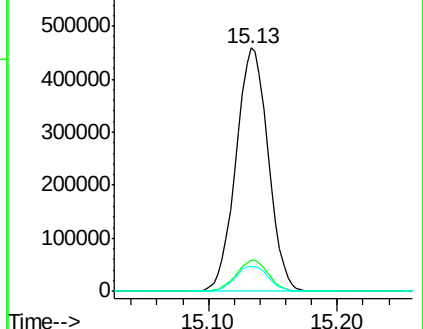
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 61.722 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

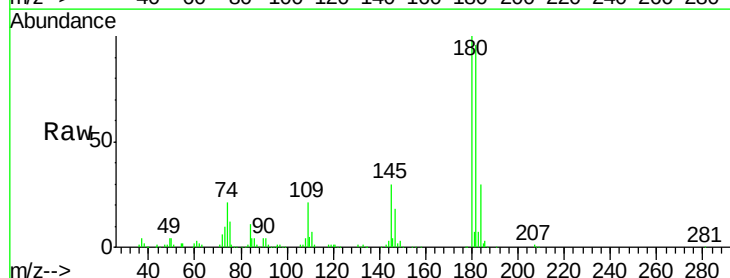
Tgt Ion:180 Resp: 325006

Ion Ratio Lower Upper

180 100

182 94.9 47.9 143.8

145 30.2 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

